



Patrik
PATRIK

Brainstorming Techniques

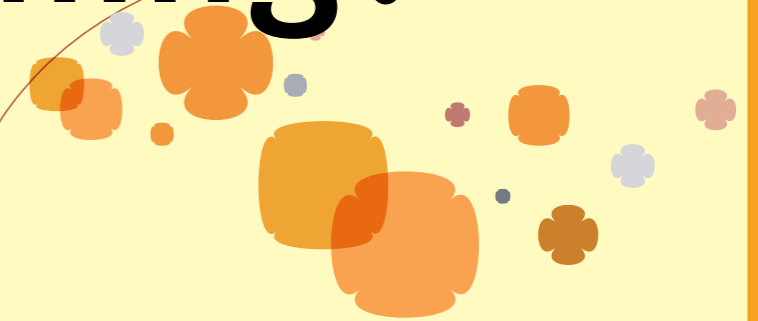
with

PATRIK KUSEK




PATRIK

What is brainstorming?



What is brainstorming?



brainstorm |'brān,stôrm|

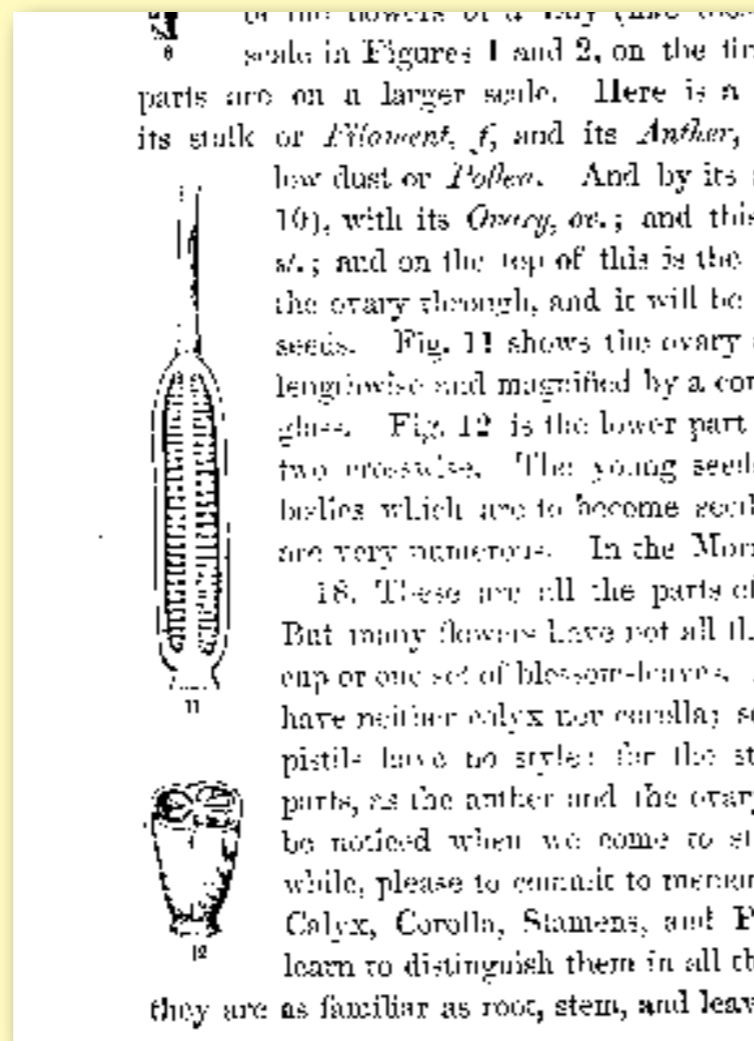
noun

a spontaneous discussion to produce ideas and ways of solving problems.

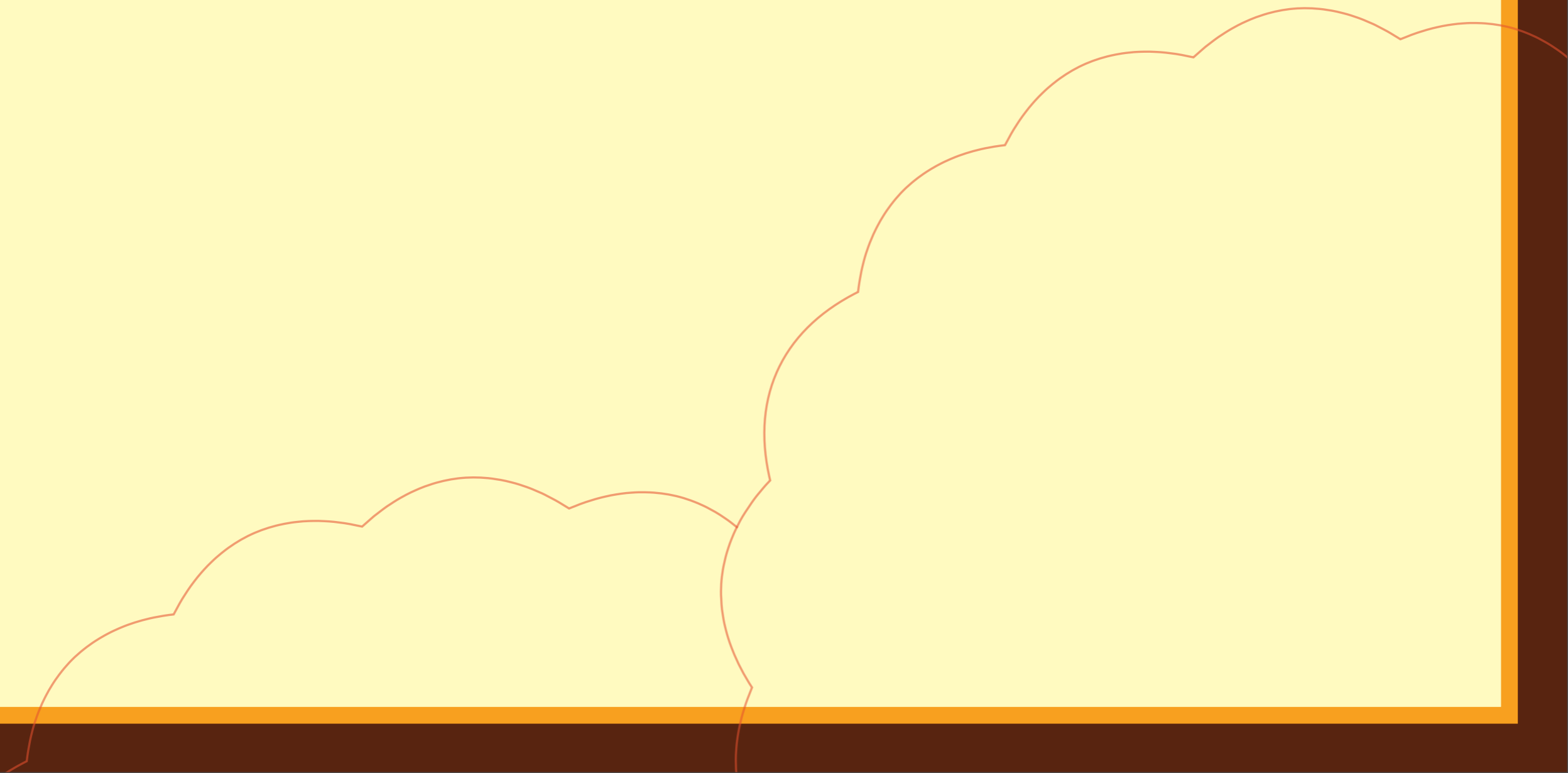
- *informal* - a sudden clever idea.

**How do we get from here
to there?**

How do we get from here to there?




Rules of brainstorming



Rules of brainstorming

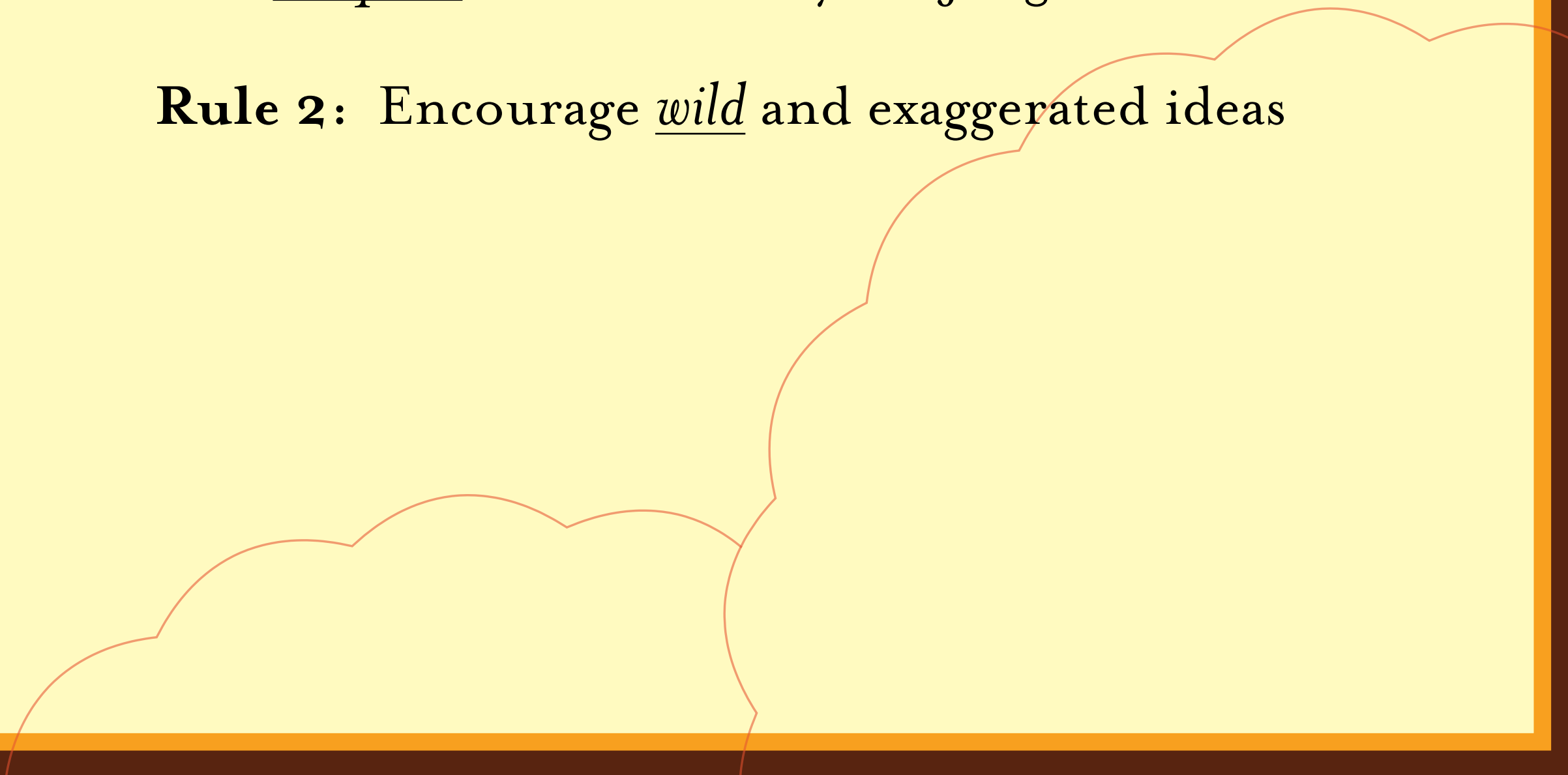
Rule 1: Postpone and withhold your judgment of ideas



Rules of brainstorming

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Rule 2: Encourage wild and exaggerated ideas



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Rule 1: Postpone and withhold your judgment of ideas

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Rule 4: Build on our ideas

Rules of brainstorming

Rule 1: Postpone and withhold your judgment of ideas

Rule 2: Encourage wild and exaggerated ideas

Rule 3: Quantity counts at this stage, not quality

Rule 4: Build on our ideas

Rule 5: Every idea has equal worth

Where to start?

- *Start with existing information*

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The goal - create “X” (usually the form)

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- Form Factor - Brooch, Pendant, Ring
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- Found objects

Where to start?

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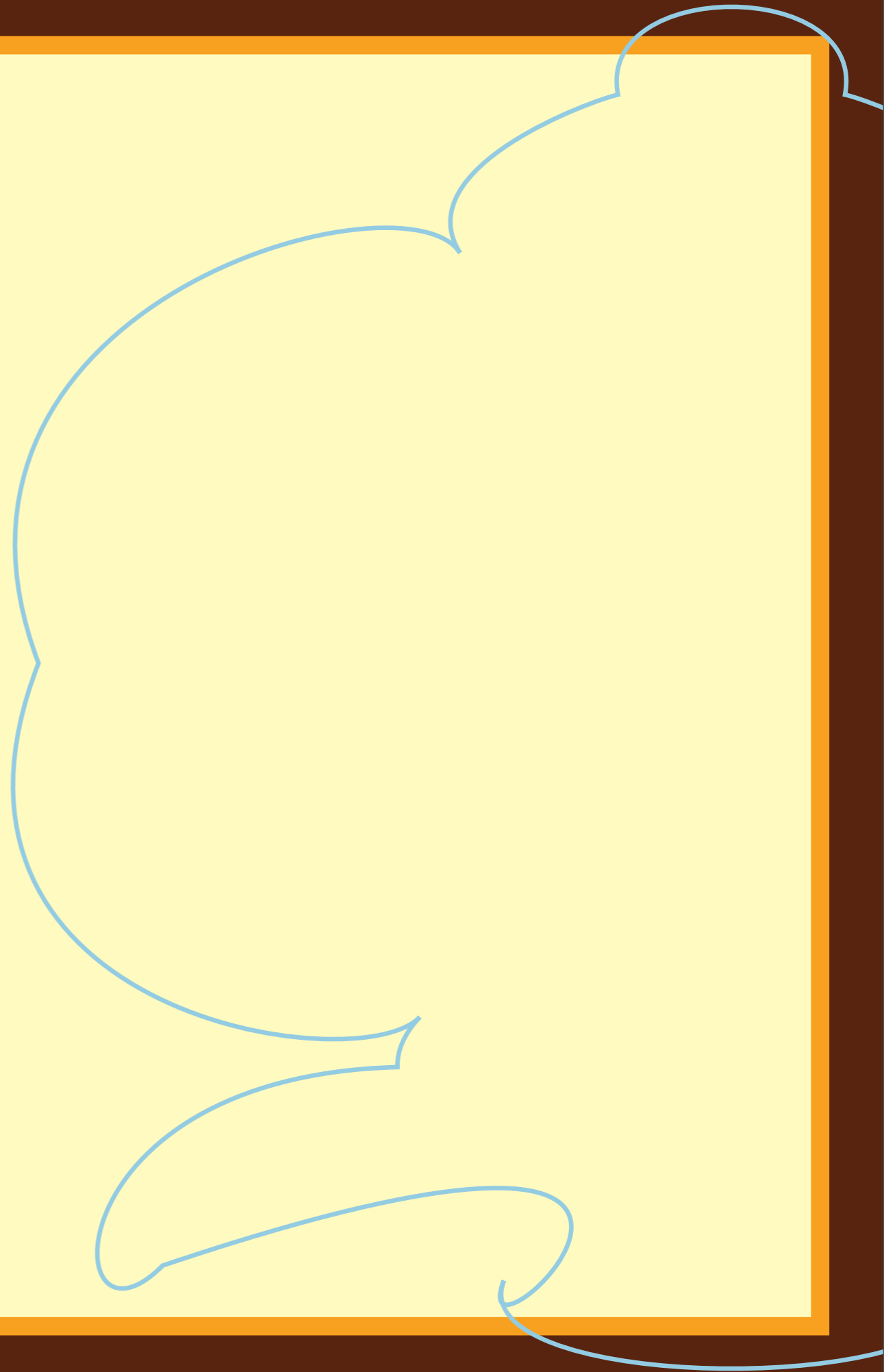
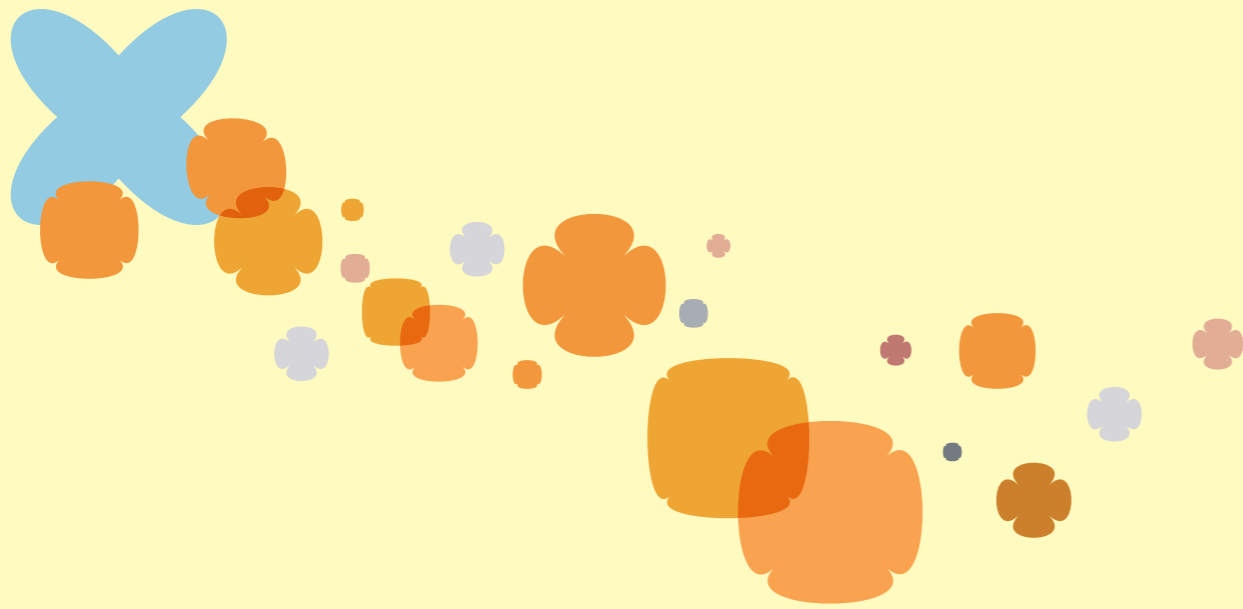
- Form Factor - Brooch, Pendant, Ring
- Gemstones
- Found objects
- Commissioned works

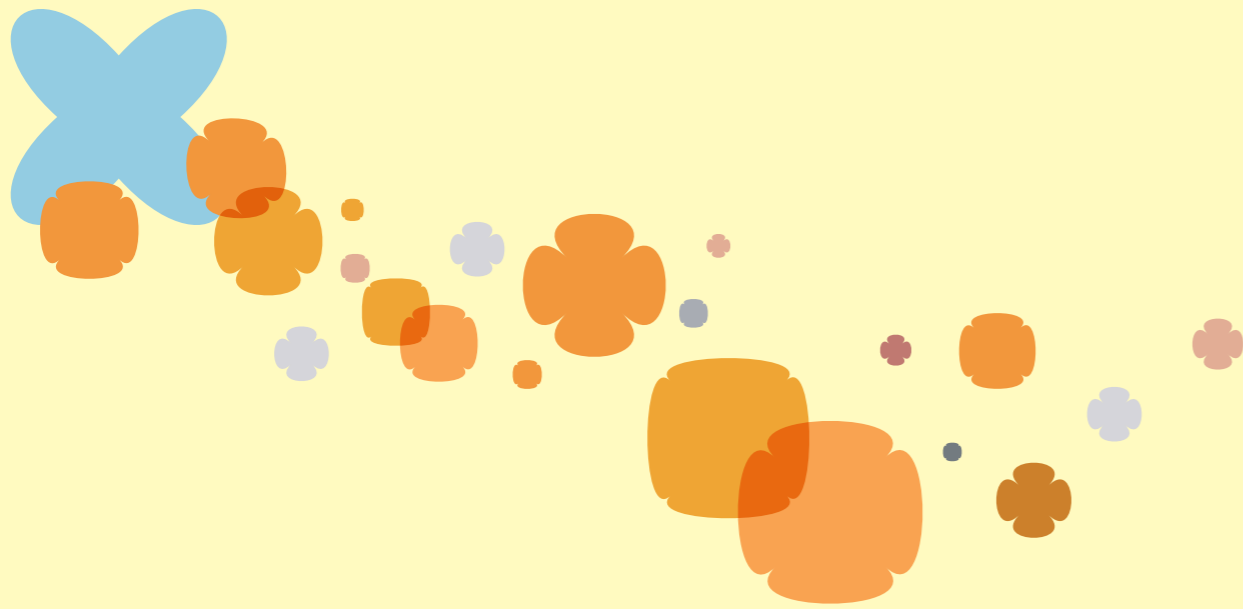
Where to start?

- *Start with existing information*

The goal - create “X” (usually the form)

- Form Factor - Brooch, Pendant, Ring
- Gemstones
- Found objects
- Commissioned works
- Commemorate - Birthday, Anniversary, Special Day, Vacation





Brainstorming Tool #1

Idea Mapping

Idea Mapping

for visual references

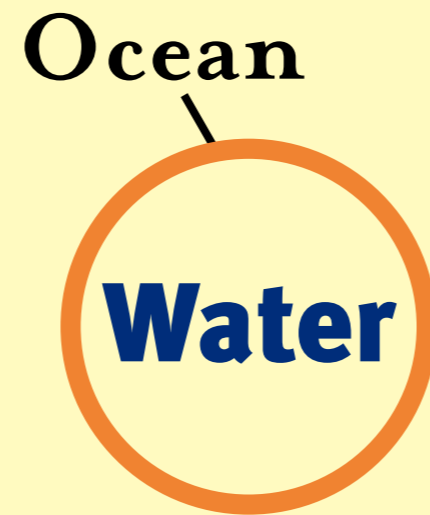
Idea Mapping

for visual references

Water

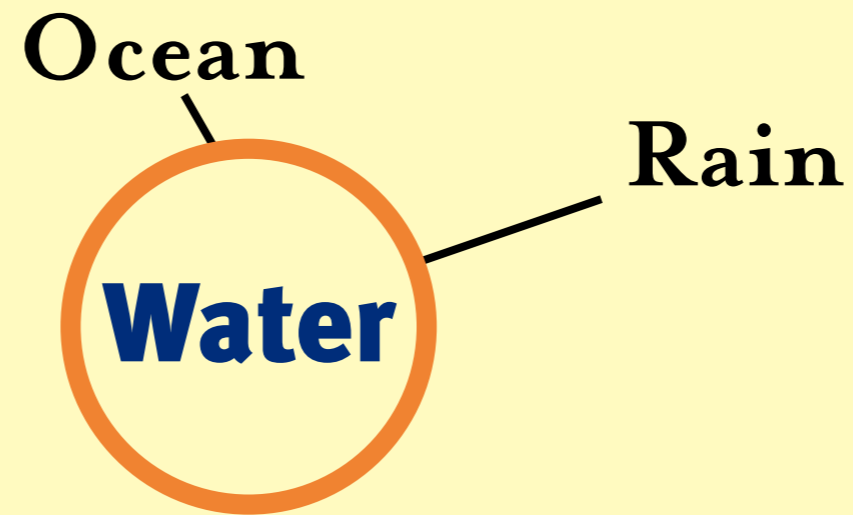
Idea Mapping

for visual references



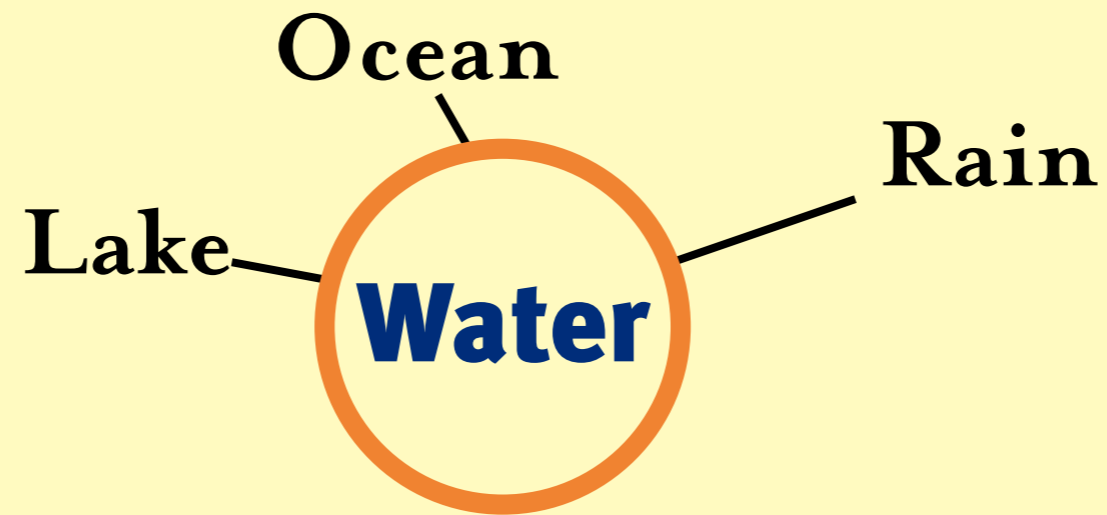
Idea Mapping

for visual references



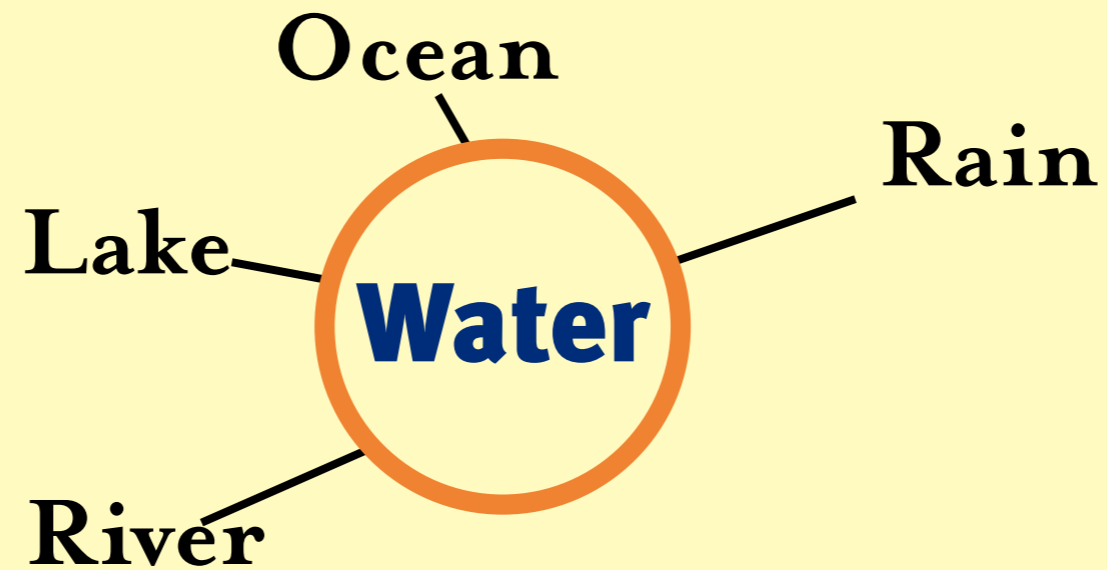
Idea Mapping

for visual references



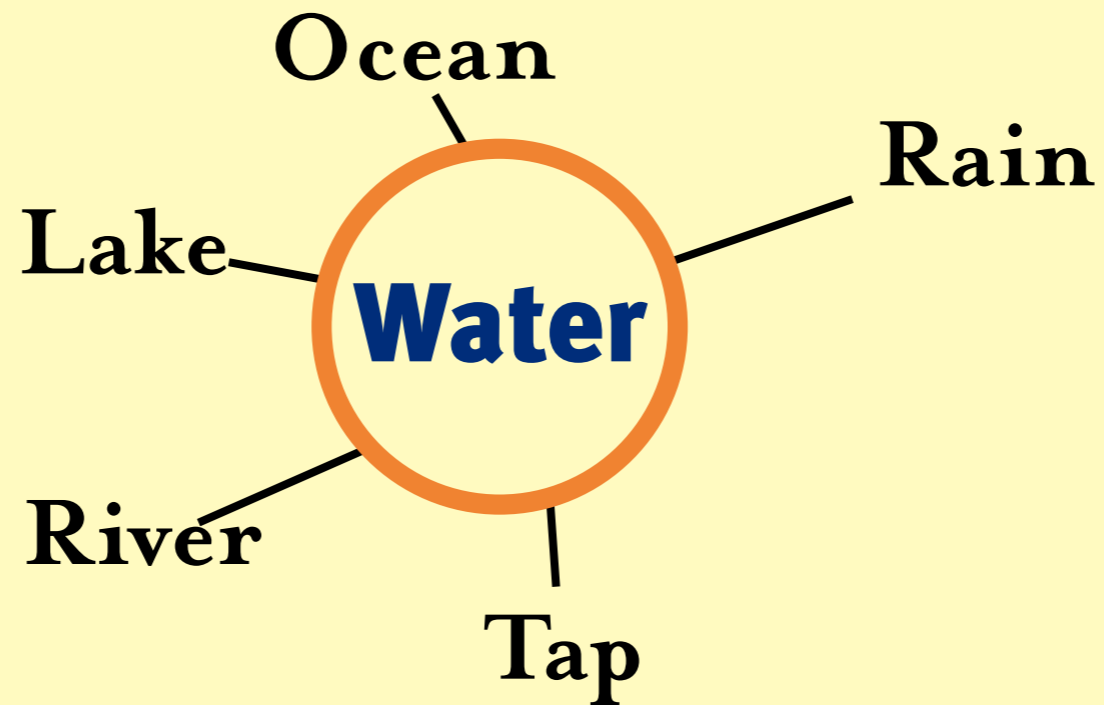
Idea Mapping

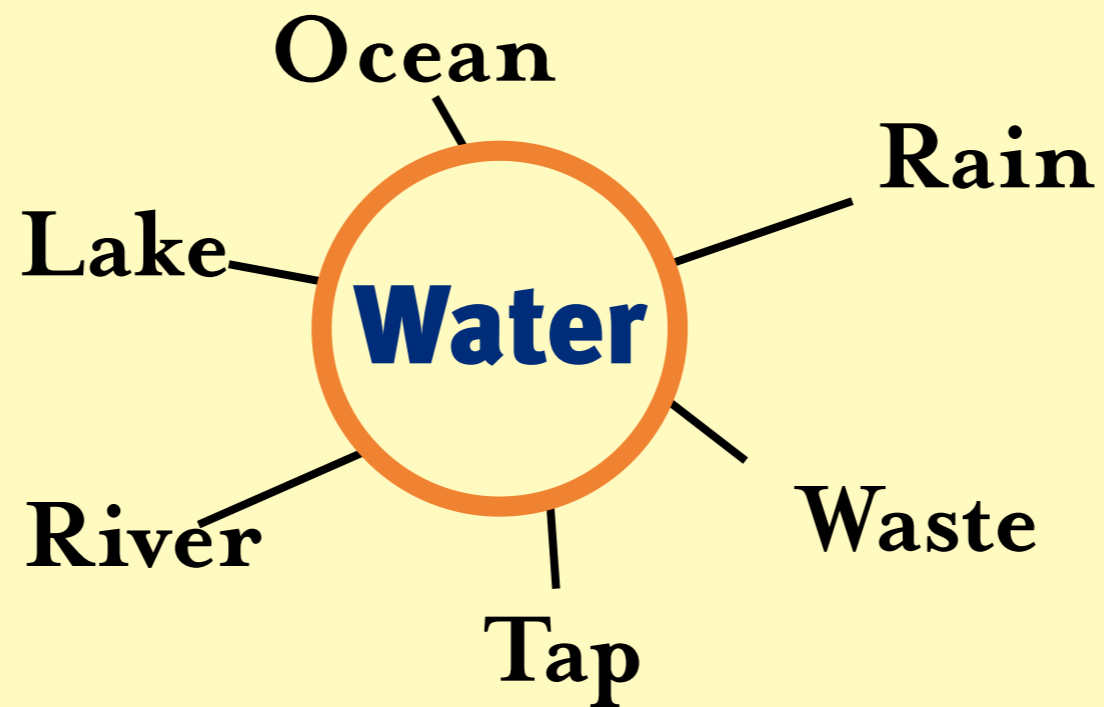
for visual references

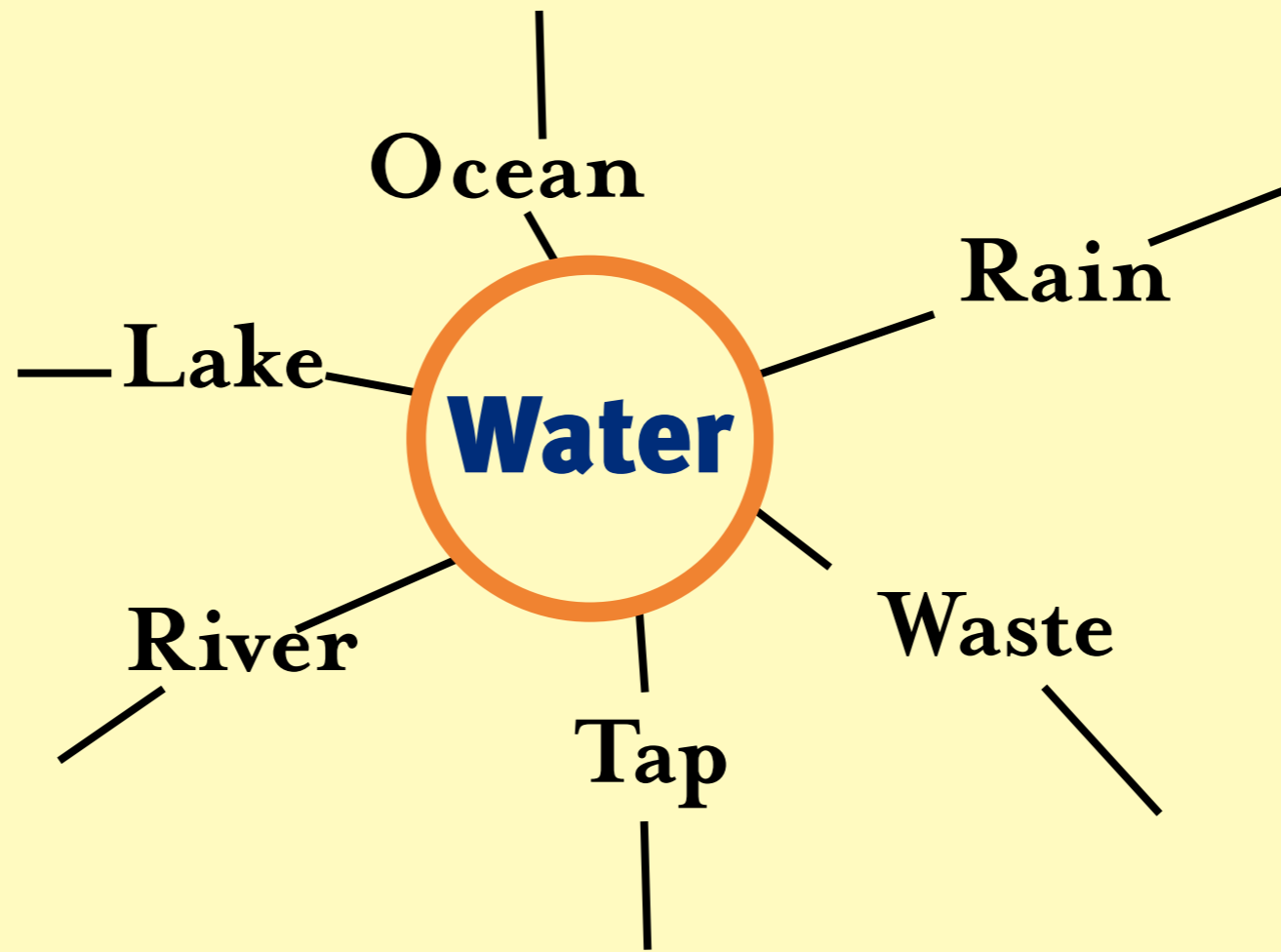


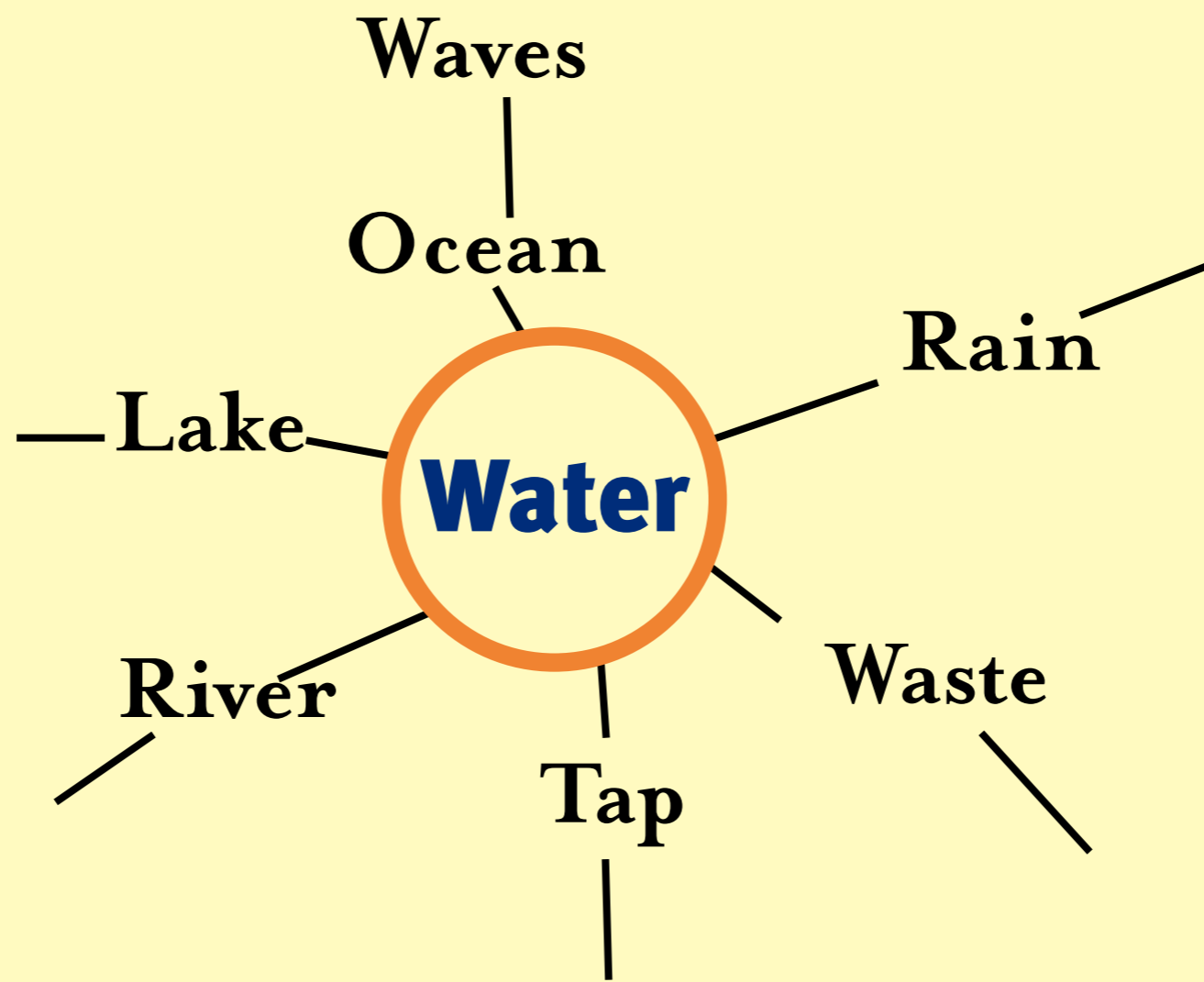
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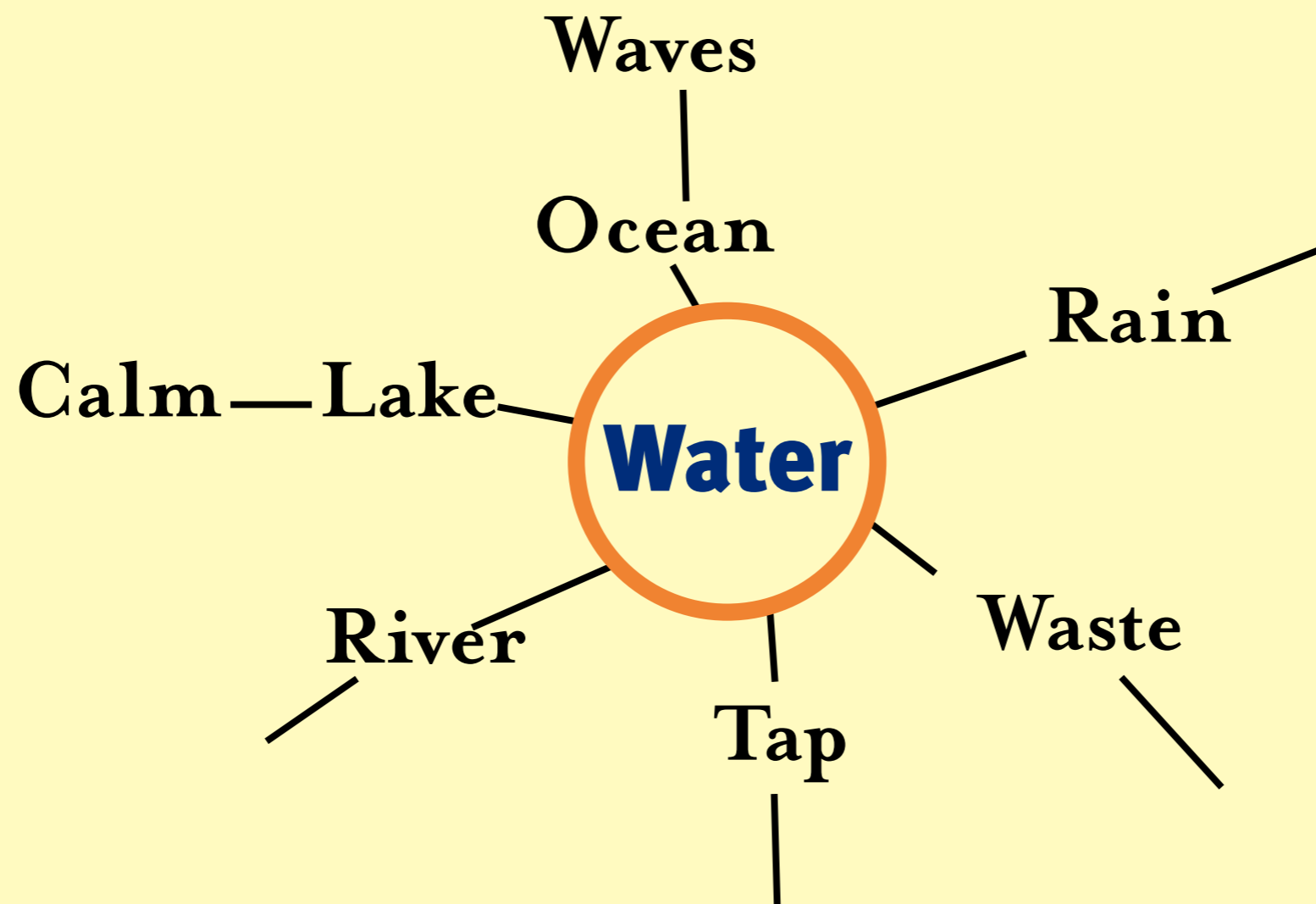
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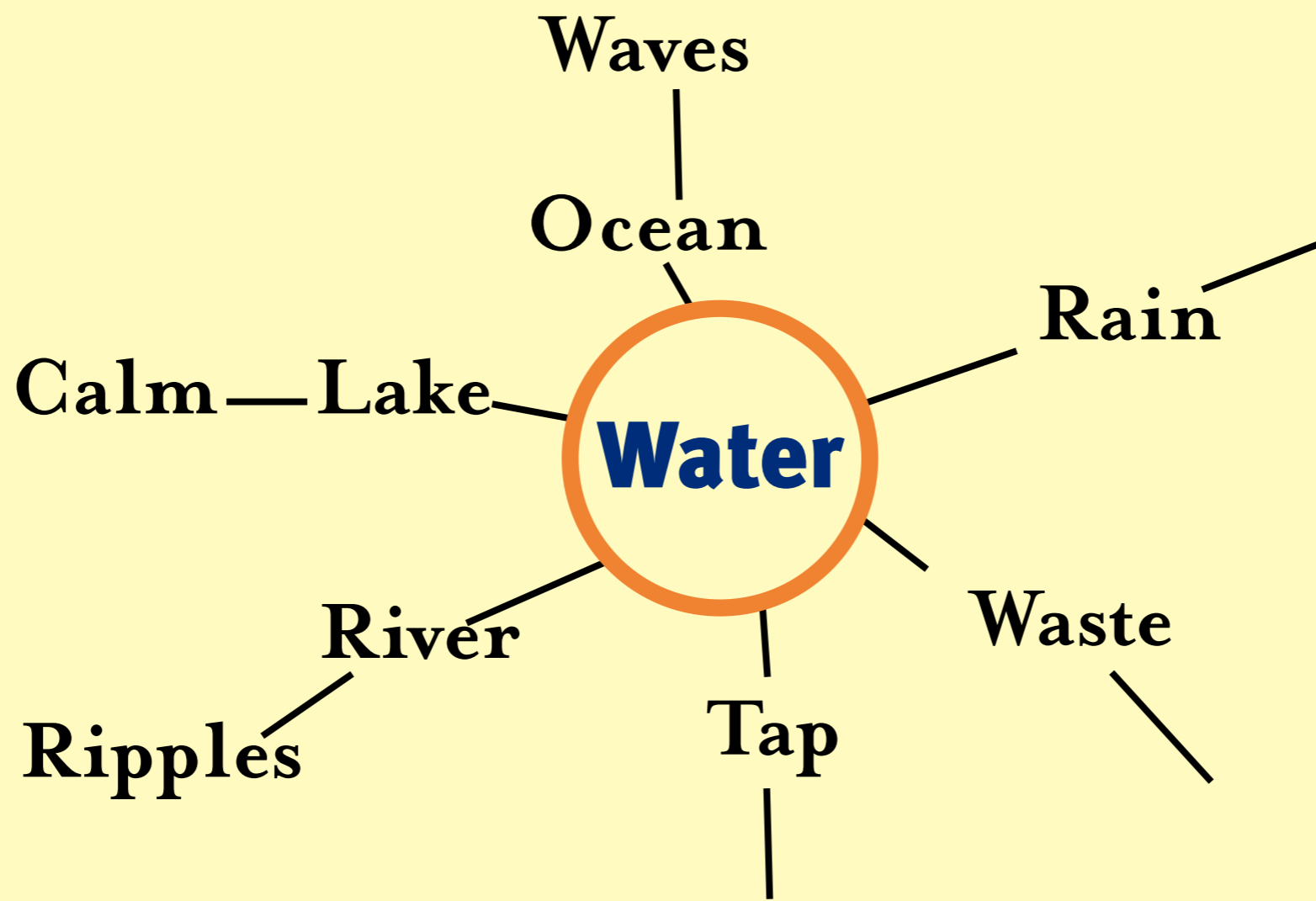


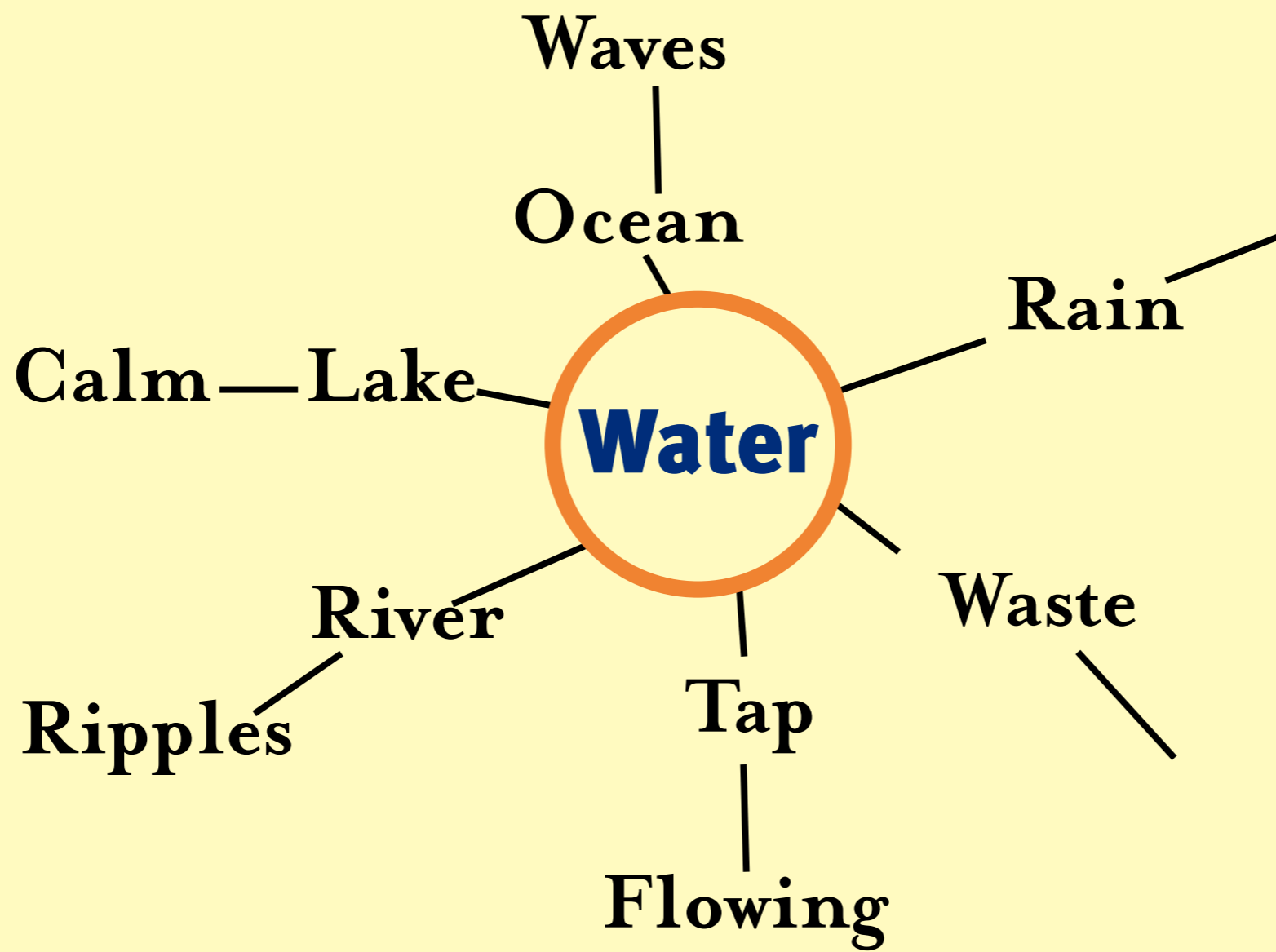


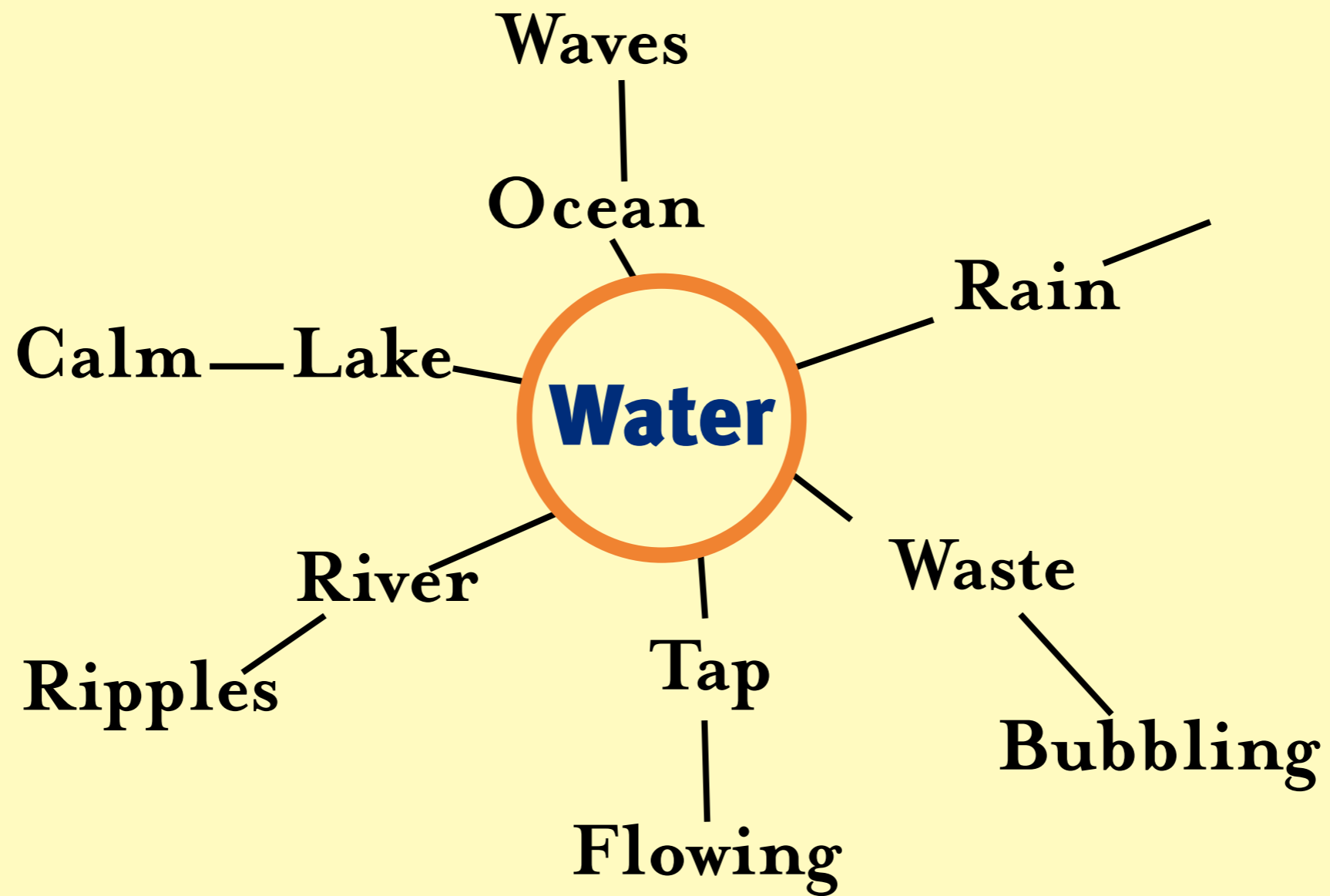


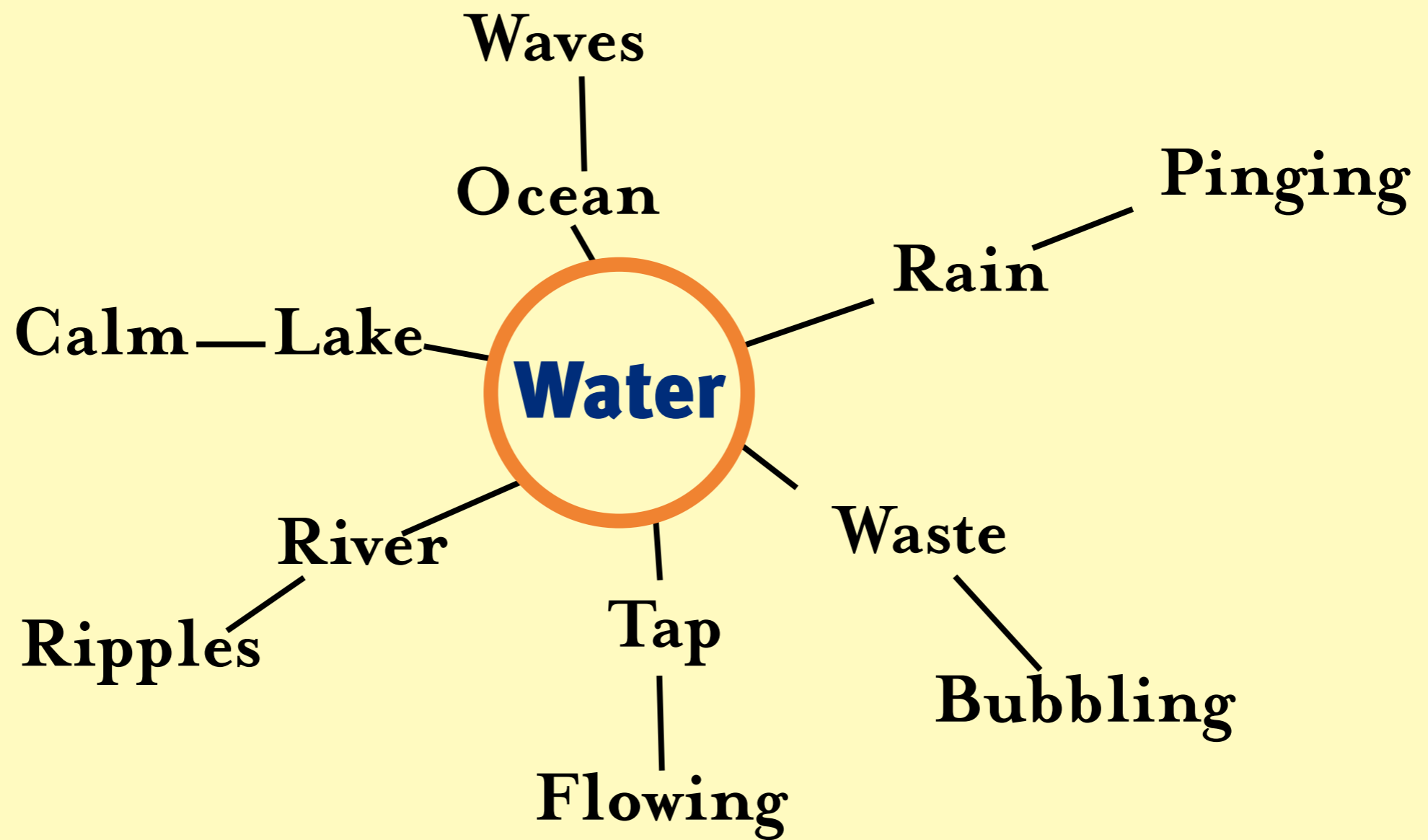


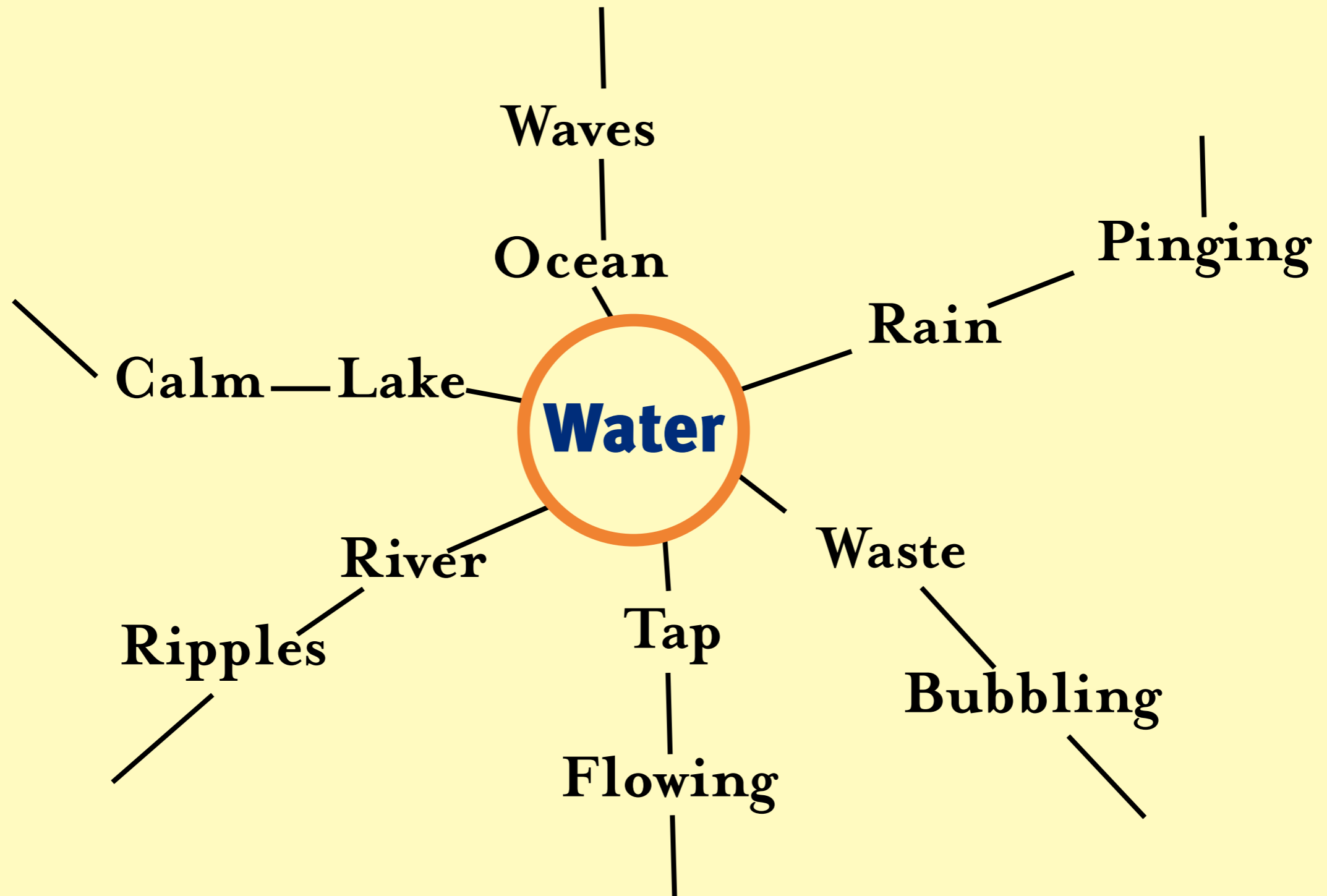


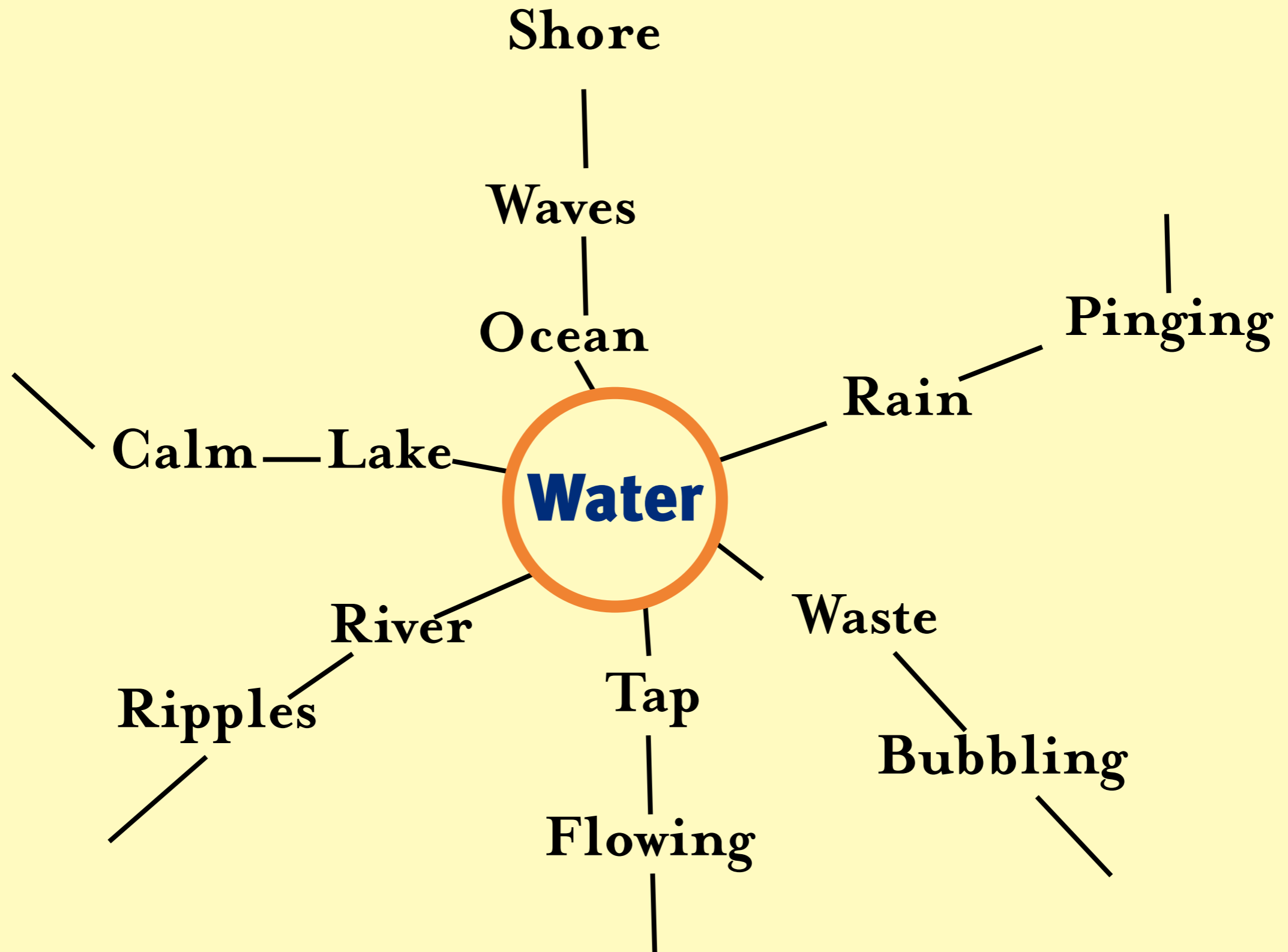


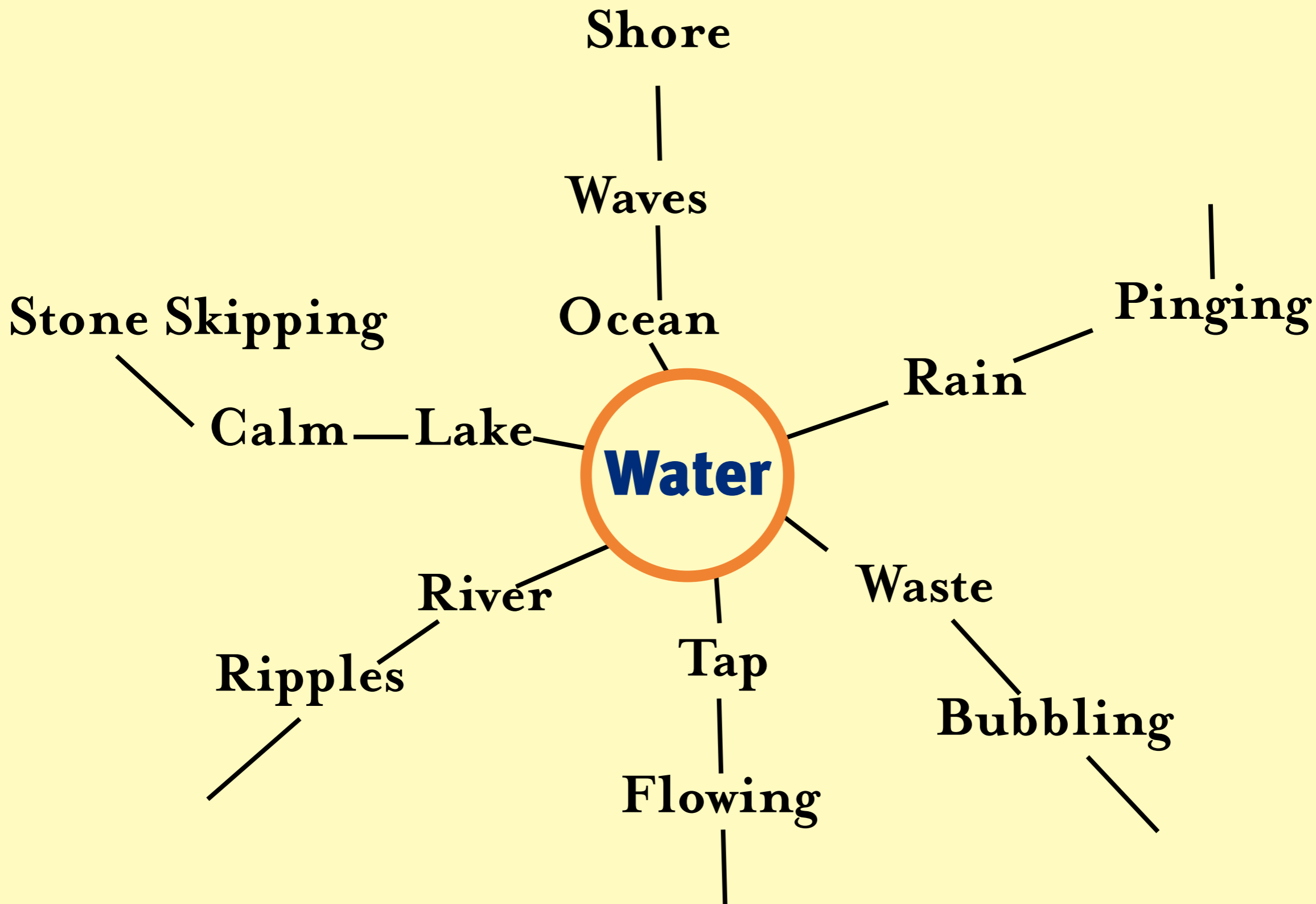












Shore

Waves

Ocean

Pinging

Stone Skipping

Rain

Calm—Lake

Water

Waste

River

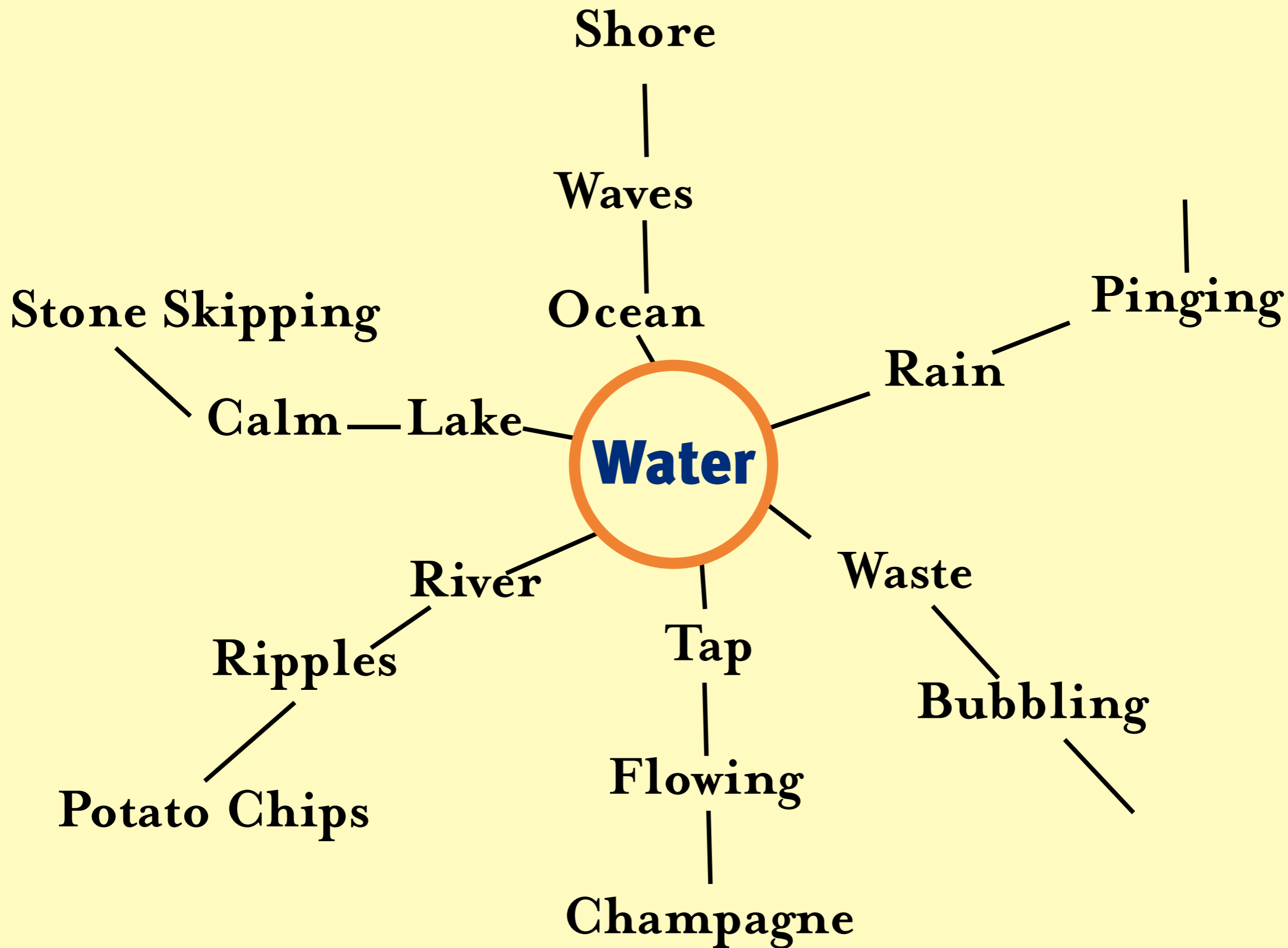
Tap

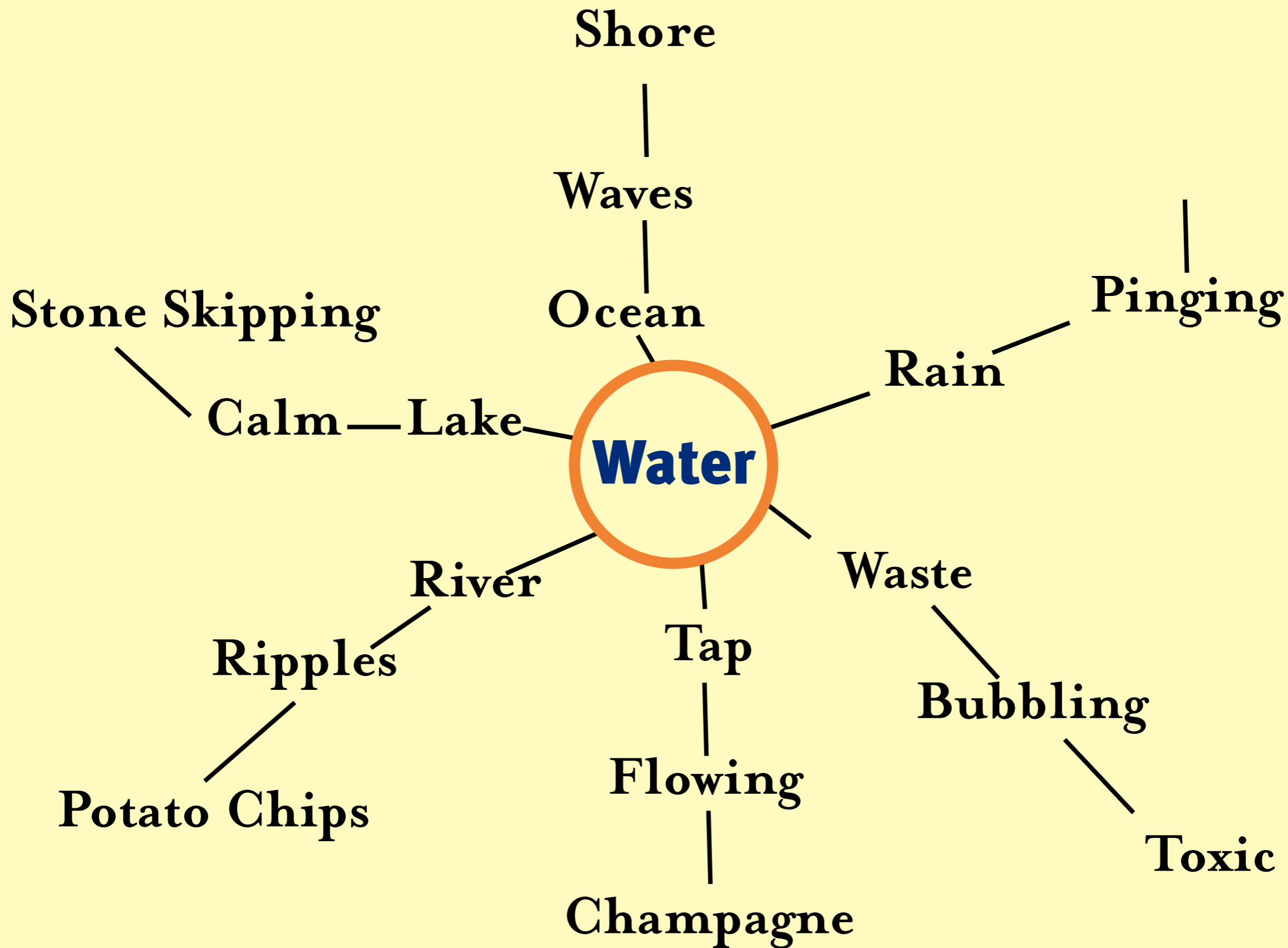
Bubbling

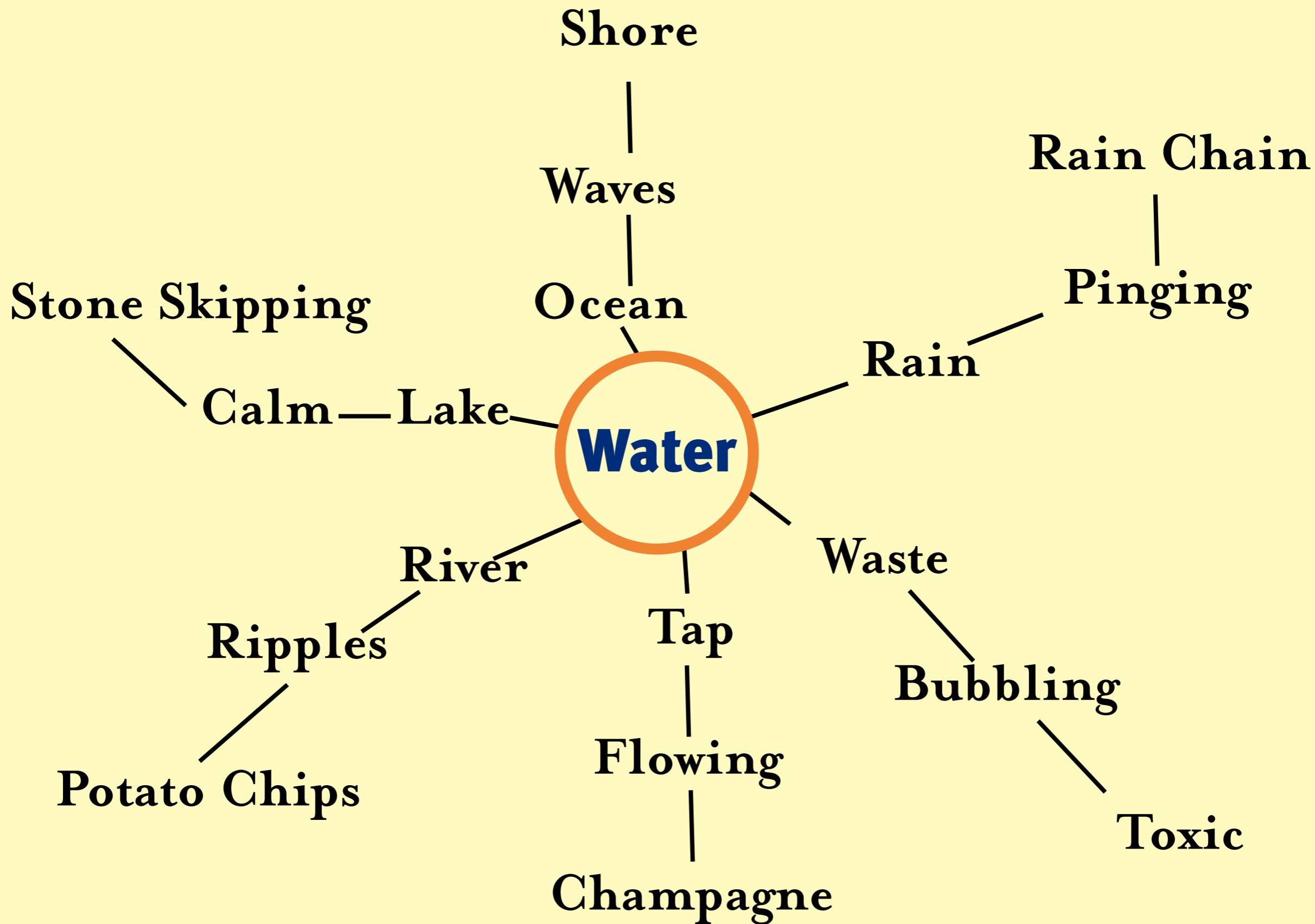
Ripples

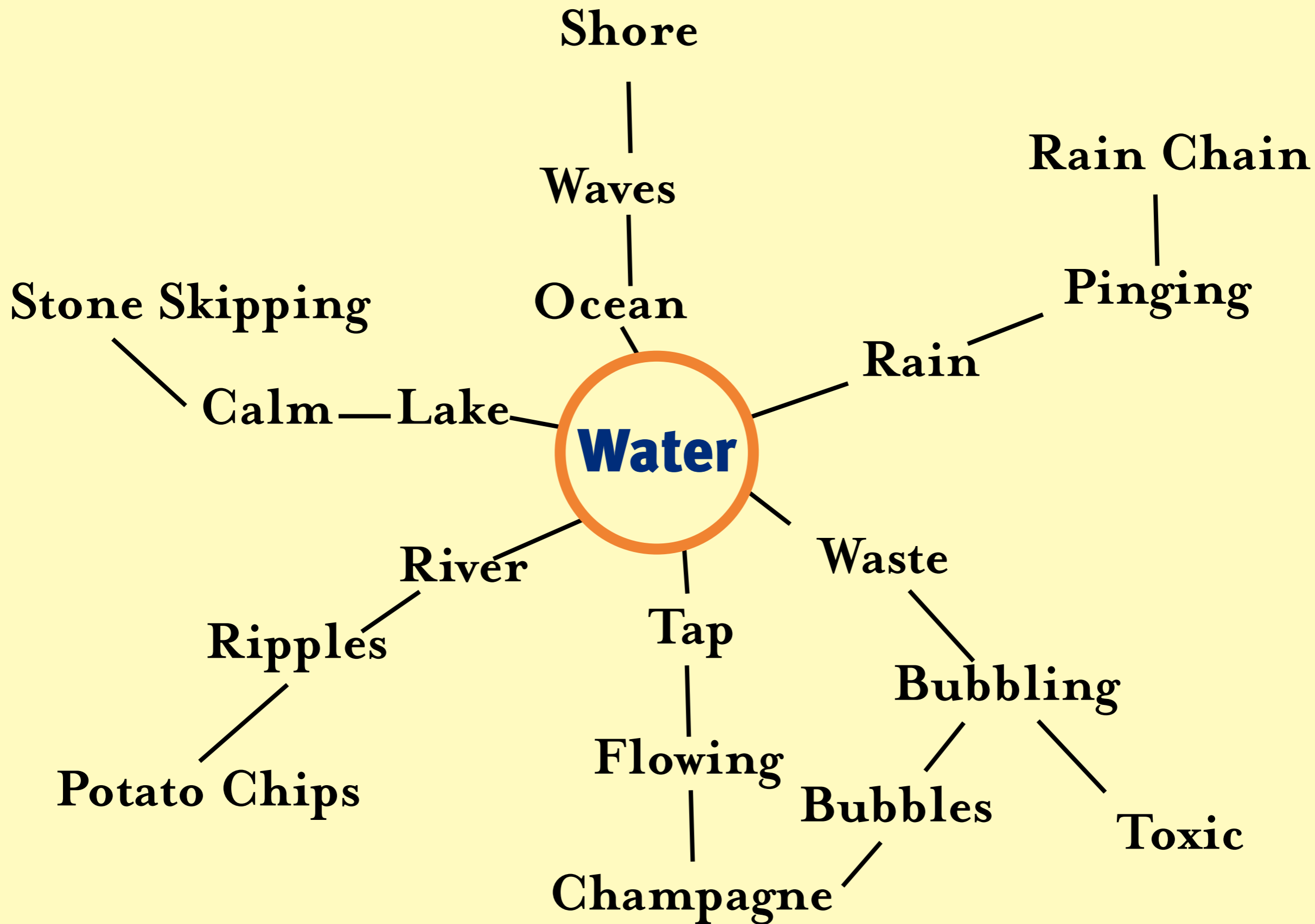
Flowing

Potato Chips



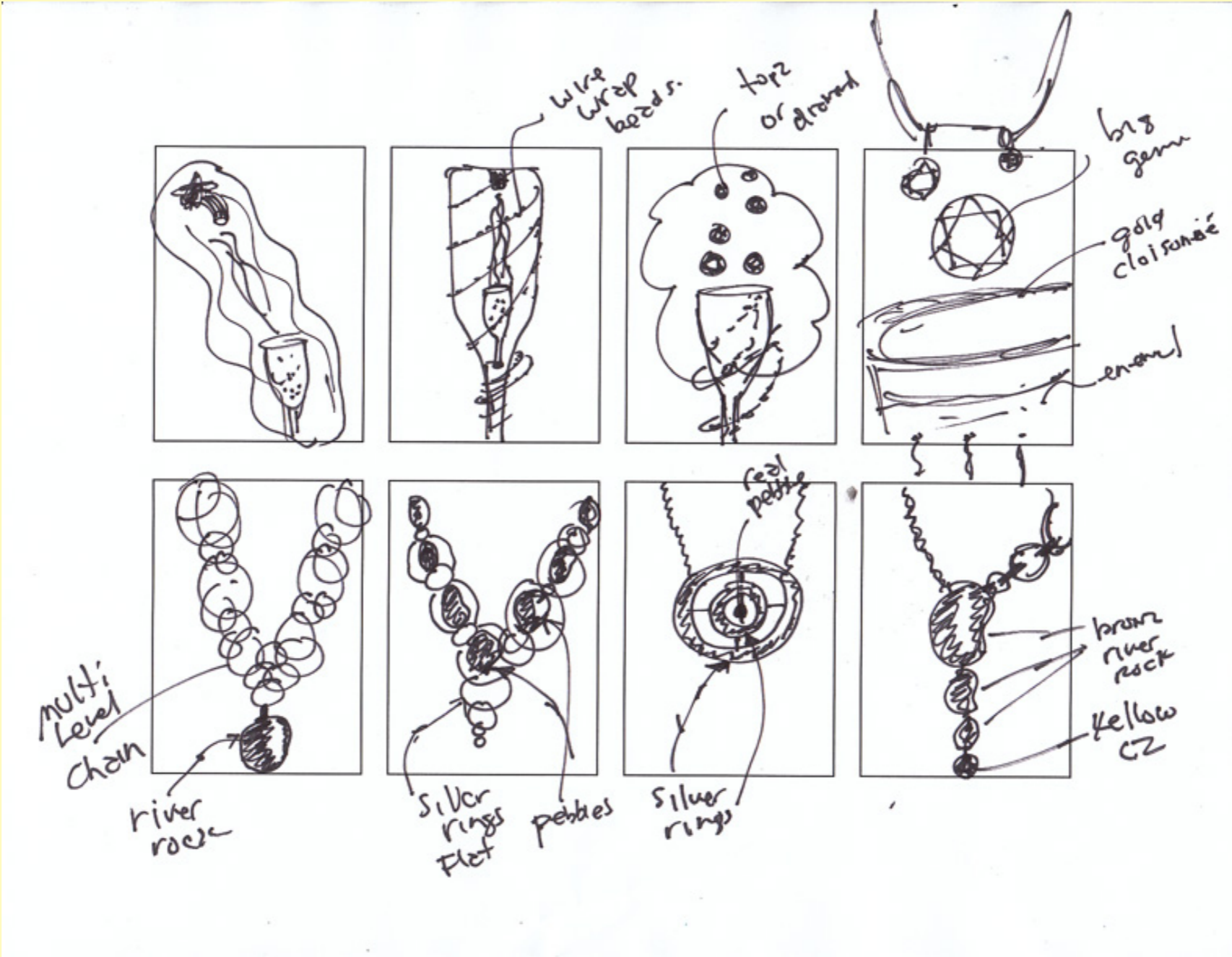


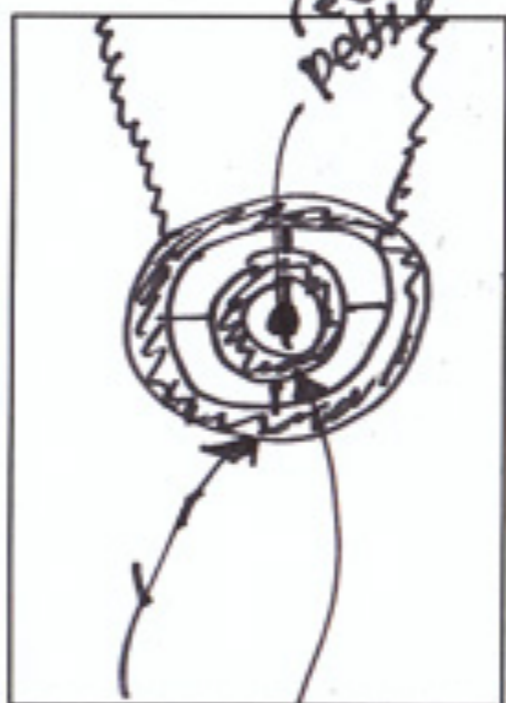
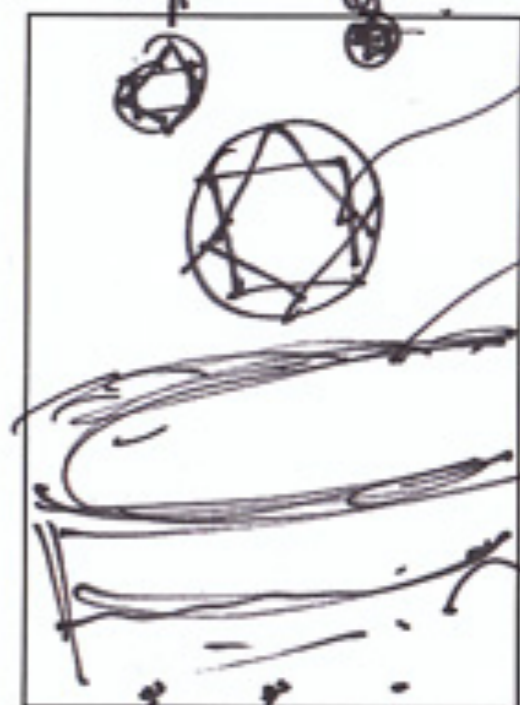
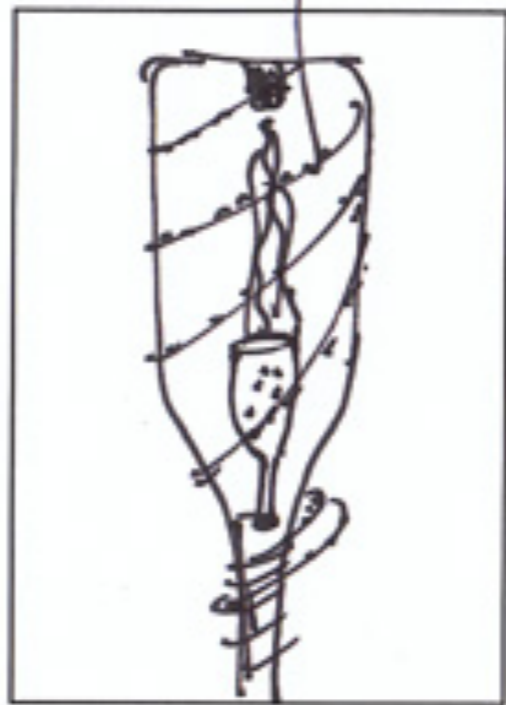




Thumbnail Sketches

Thumbnail Sketches





wire wrap beads

top or draw

big gem

gold clasp

enamel

Multi-level chain

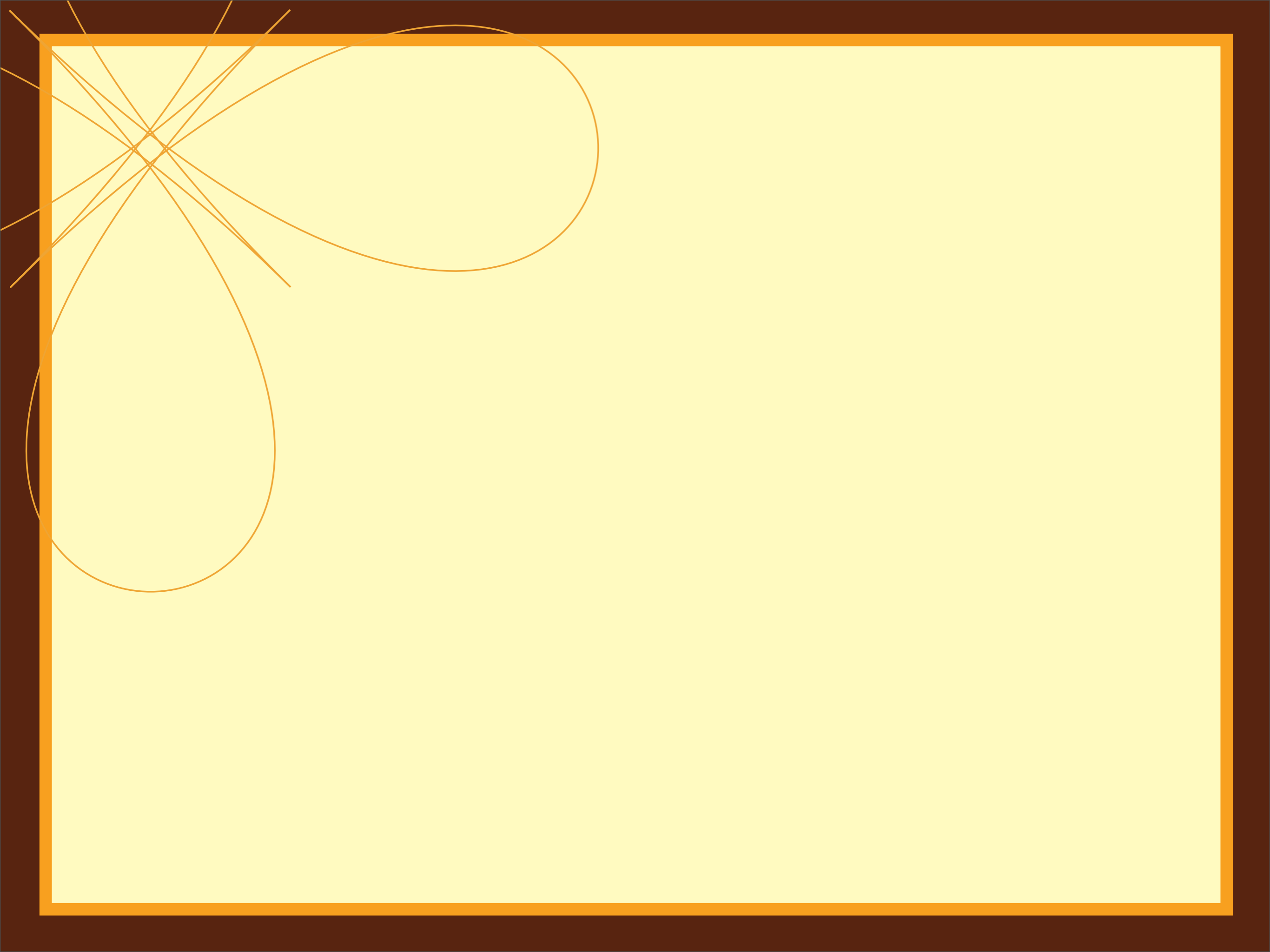
river rock

Silver rings flat pebbles

Silver rings

bronze river rock

yellow CZ





Idea Mapping

Audience participation exercise.



Brainstorming Tool #2

*Search the internet
for concepts*



Websites and Blogs

Websites and Blogs

Search with purpose.

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Websites and Blogs

www.brynmorgen.com

www.brynmorgen.com

Patina Basics


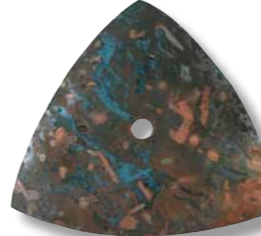

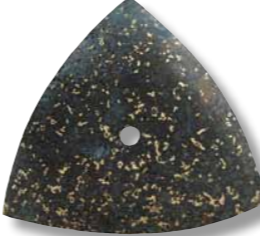
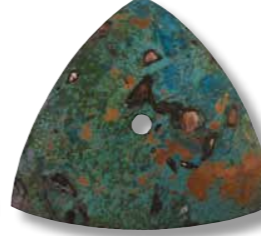



 <p>Basic Green on Copper</p> <p>Recipe 1 part ammonium chloride 6 parts copper sulfate water</p>	 <p>Liver of Sulfur on Brass</p> <p>Process Dissolve a small piece of liver of sulfur in warm water and dip the metal into the solution. Rinse in running water and dip again, using many repeated dips to develop an even color.</p>	 <p>Liver of Sulfur on Copper</p>
 <p>Copper in the Oven 350°F for 20 minutes</p>	 <p>Copper in the Oven 350°F for 20 minutes</p> <p>Process Apply heat in some way until you see the color you like.</p>	 <p>Peanut oil on Brass</p>
 <p>Ammonia Fumes on Copper (12 hours)</p>	 <p>Ammonia Fumes on Copper (24 hours)</p> <p>Process Enclose work in a container with ammonia or some other fuming agent.</p>	 <p>Ammonia Fumes on Brass (blue area with acid)</p>
 <p>Buried Patina (coarse wood chips and ammonia on copper)</p>	 <p>Buried Patina (sawdust and ammonia on brass)</p> <p>Process Saturate a porous media with a solution, bury the metal and seal, typically for 12-36 hours.</p>	 <p>Niage on Brass</p> <p>Niage Equal parts of rokusho and copper sulfate in water, immerse in simmering solution.</p>
 <p>Niage on Copper</p>	 <p>Resist Patterns (sugar frosting the ammonia fumes on brass)</p> <p>Process Partially cover some metal piece with a material that can be easily removed. Color the dissolve the resist.</p>	 <p>Resist Patterns (Sharpie ink on Argentium using liver of sulfur)</p>

Patina Basics

Safe Color Solutions for Metalsmiths

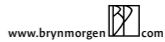
Buried Patinas

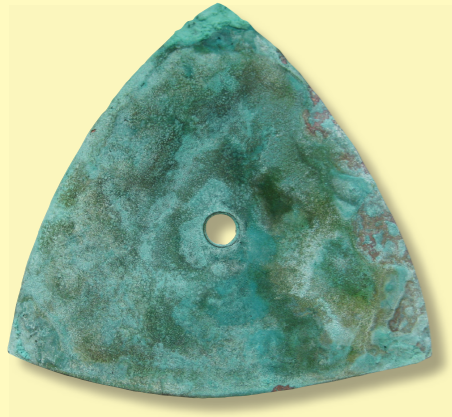
 <p><i>Ammonia / vinegar in pine sawdust on copper.</i></p>	 <p><i>Commercial green solution in coarse wood chips on copper.</i></p>	 <p><i>Ammonia / vinegar in coffee grounds on copper.</i></p>
 <p><i>Commercial green solution in pine sawdust on brass.</i></p>	 <p><i>Commercial green solution in large sawdust on copper.</i></p>	 <p><i>Ammonia / vinegar in shredded paper on copper.</i></p>

Process
Saturate a disposable porous media with a coloring agent so that the material clumps together when squeezed. Insert clean metal and seal the container. Allow the work to sit, covered, typically for 12-36 hours.

Recipes
Almost any coloring solution is worth a try. These samples were made with an ammonia/vinegar solution or with commercial green patina.

Media
As demonstrated here, the range of media is almost endless. Subtle variations such as the type of sawdust used (e.g., pine versus maple) can yield interesting results.

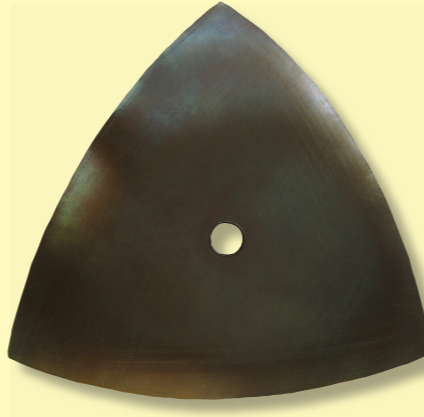




**Basic Green
on Copper**

Recipe

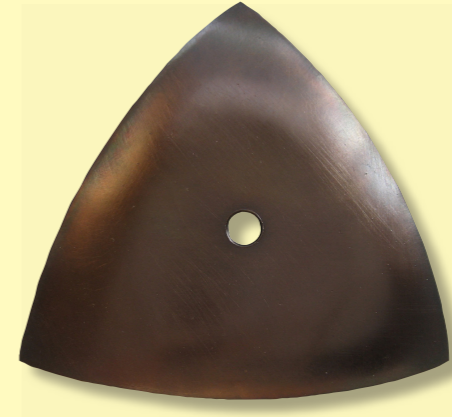
1 part
ammonium chloride
6 parts
copper sulfate
water



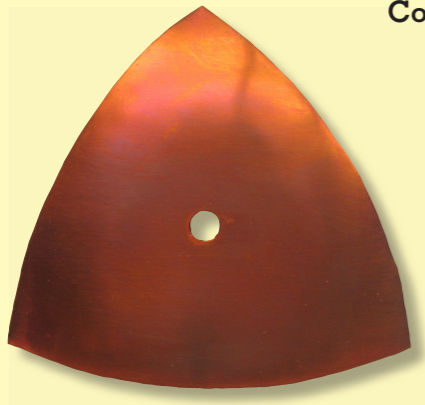
**Liver of Sulfur
on Brass**

Process

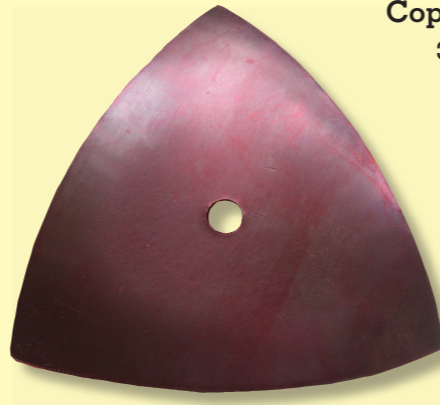
Dissolve a small piece
of liver of sulfur in
warm water and dip the
metal into the solution.
Rinse in running water
and dip again, using
many repeated dips to
develop an even color.



**Liver of Sulfur
on Copper**



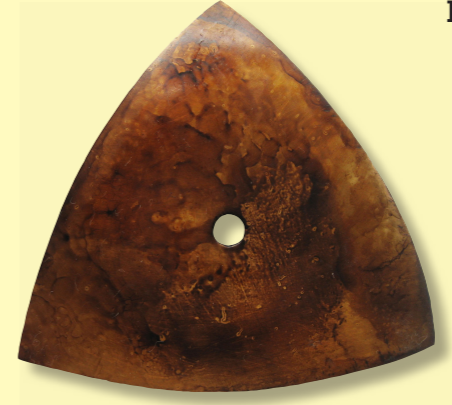
**Copper in the Oven
350°F for 20 minutes**



**Copper in the Oven
350°F for 20 minutes**

Process

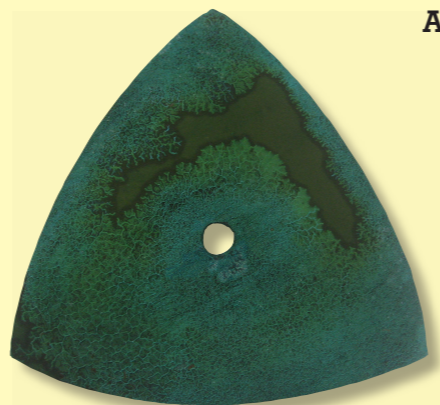
Apply heat in some
way until you see the
color you like.



**Peanut oil on
Brass**



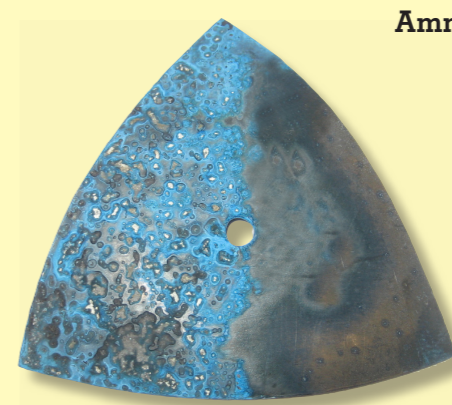
**Ammonia Fumes
on Copper
(12 hours)**



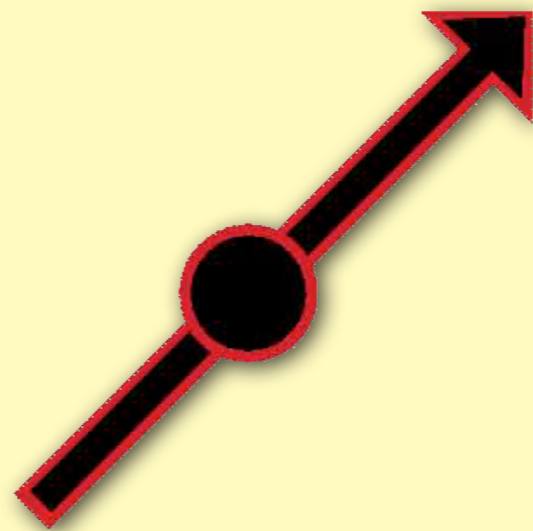
**Ammonia Fumes
on Copper
(24 hours)**

Process

Enclose work in
a container with
ammonia or some
other fuming agent.



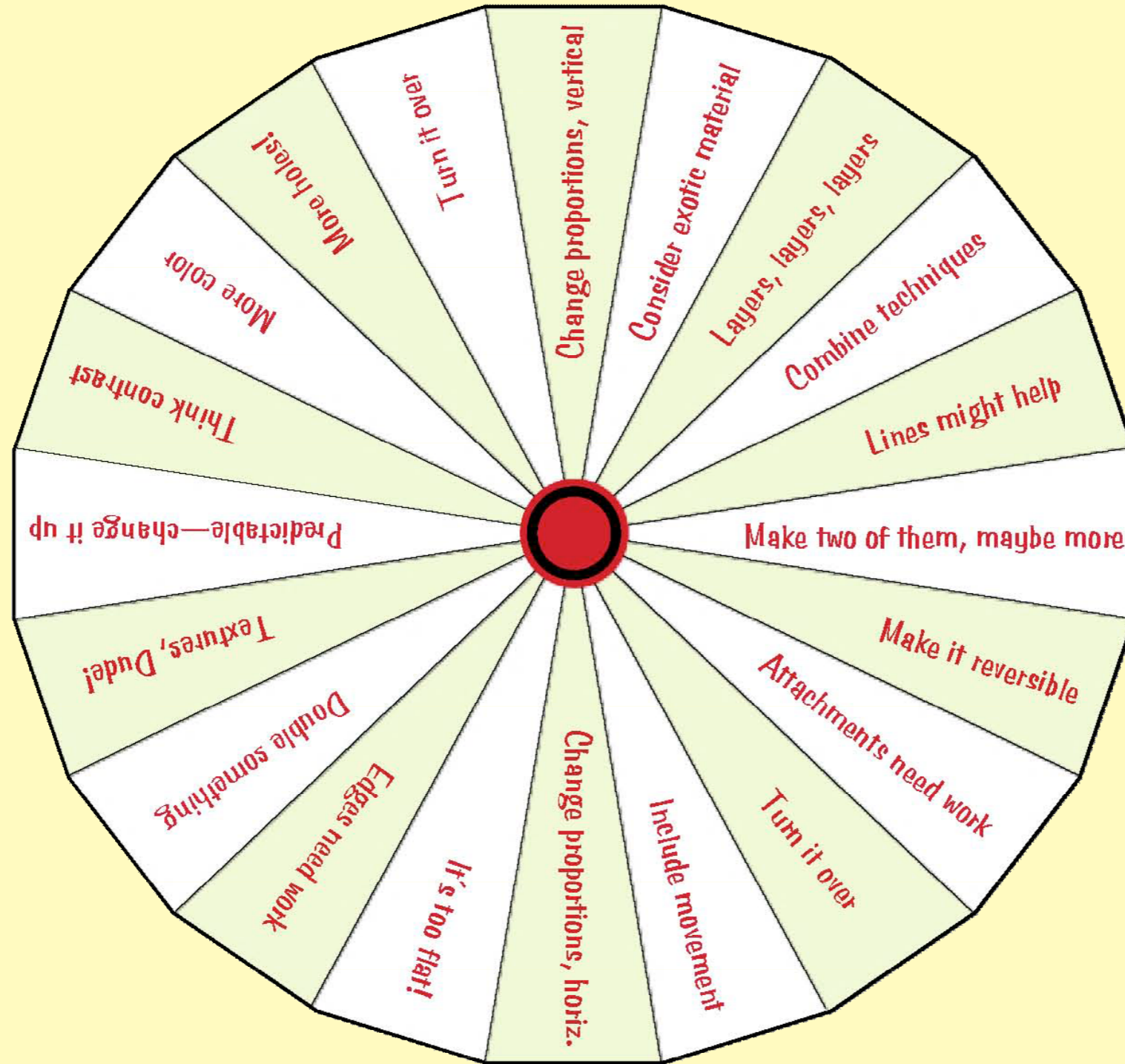
**Ammonia Fumes
on Brass
(blue area
with salt)**



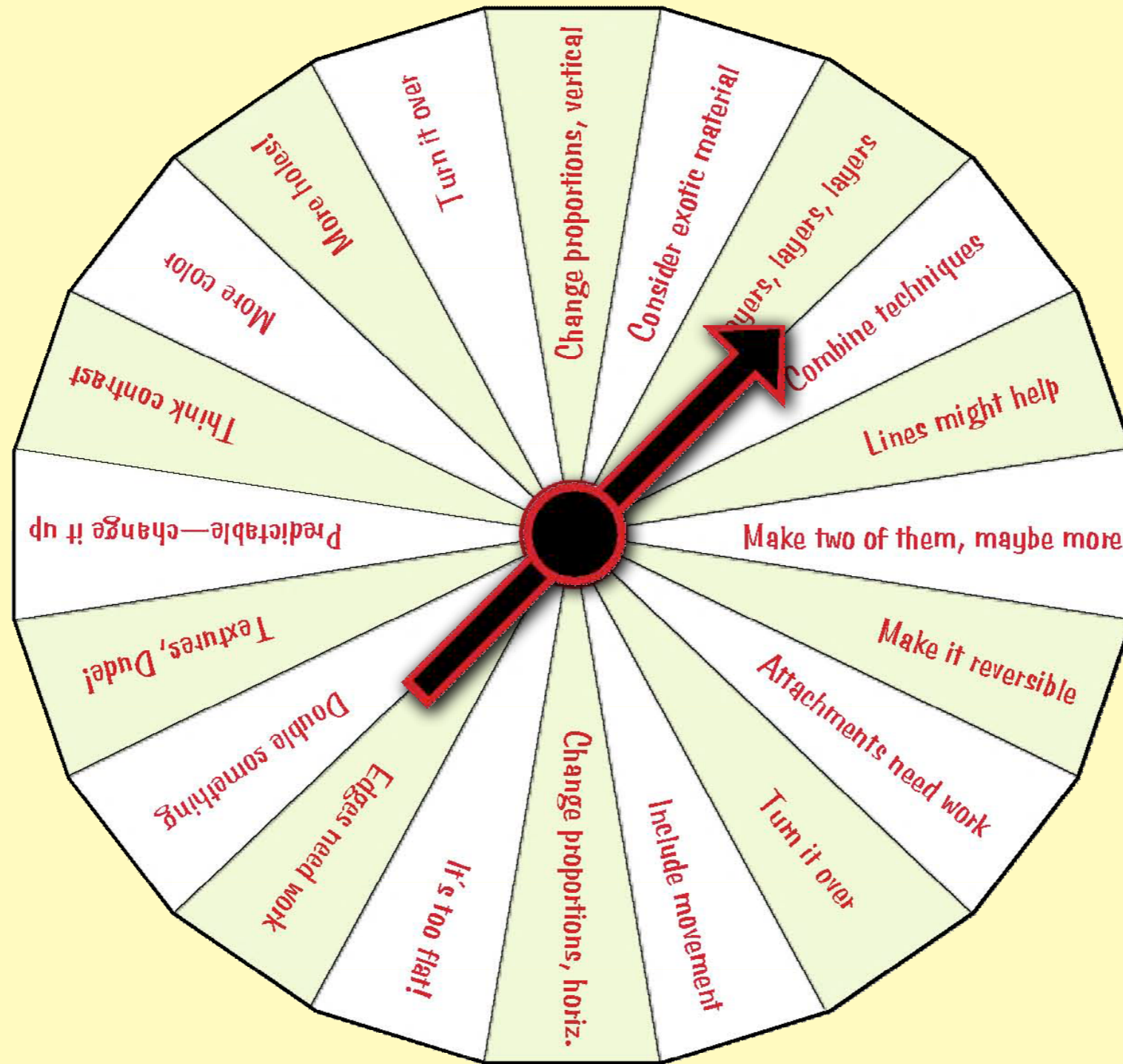
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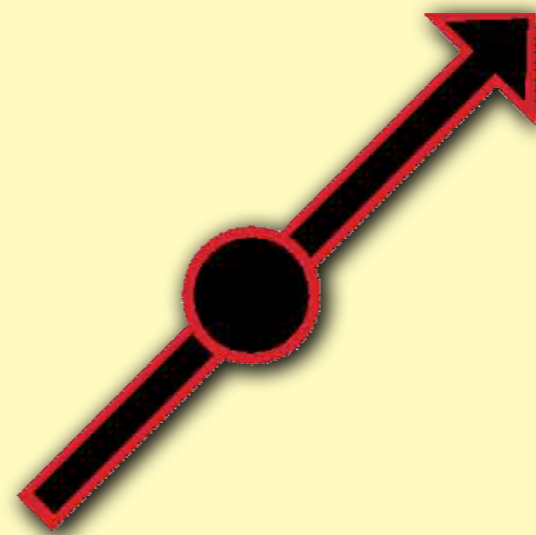


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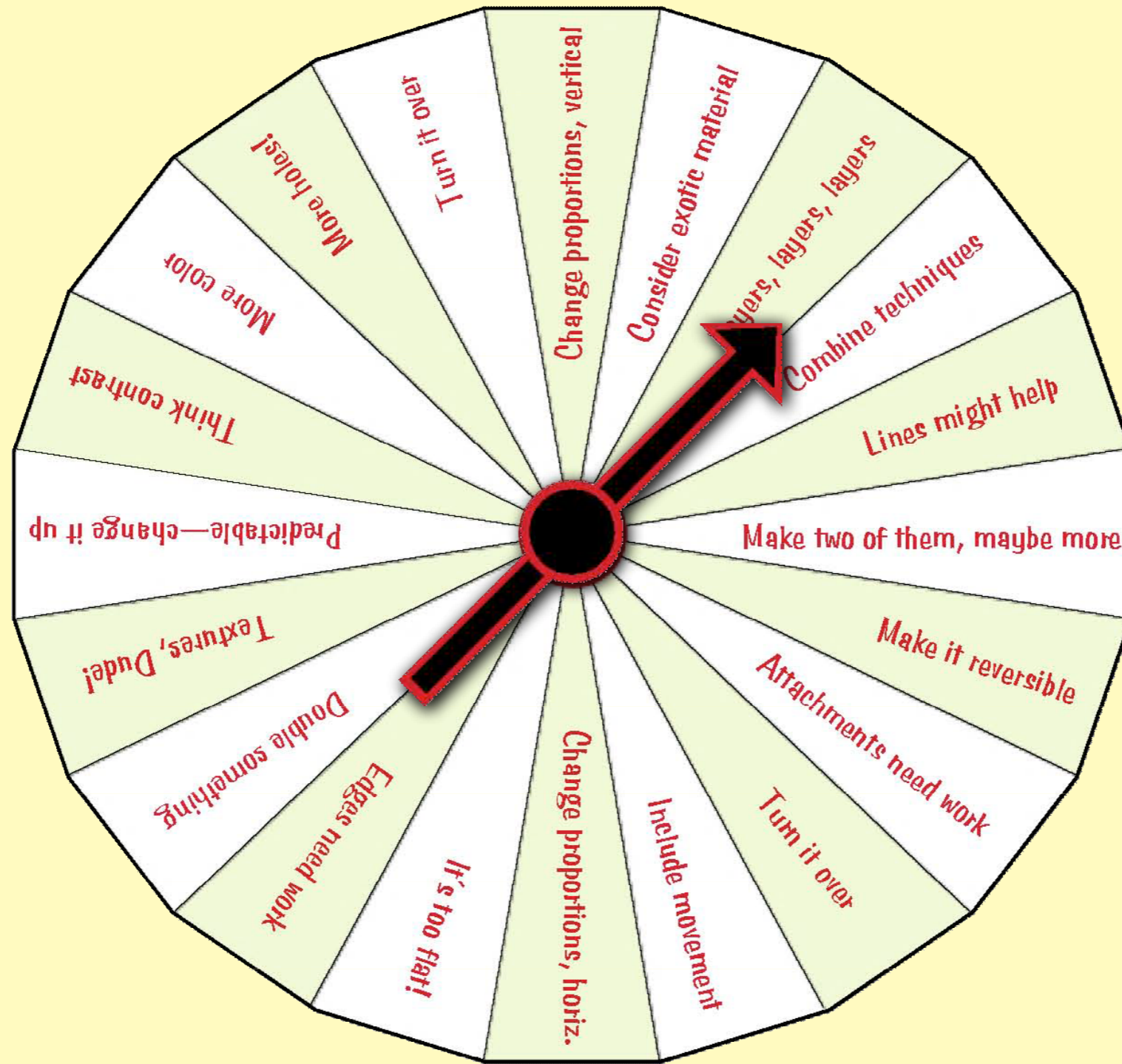


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More Color!

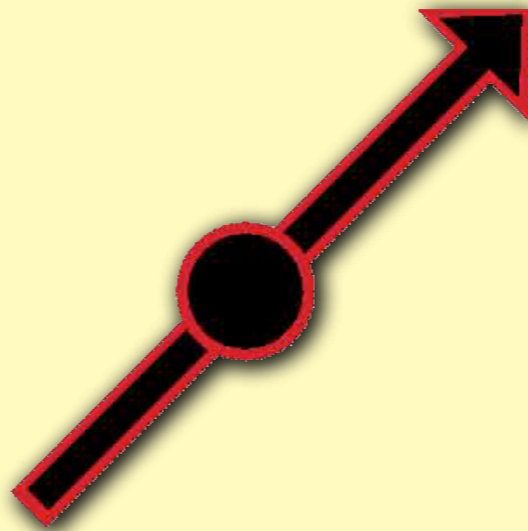


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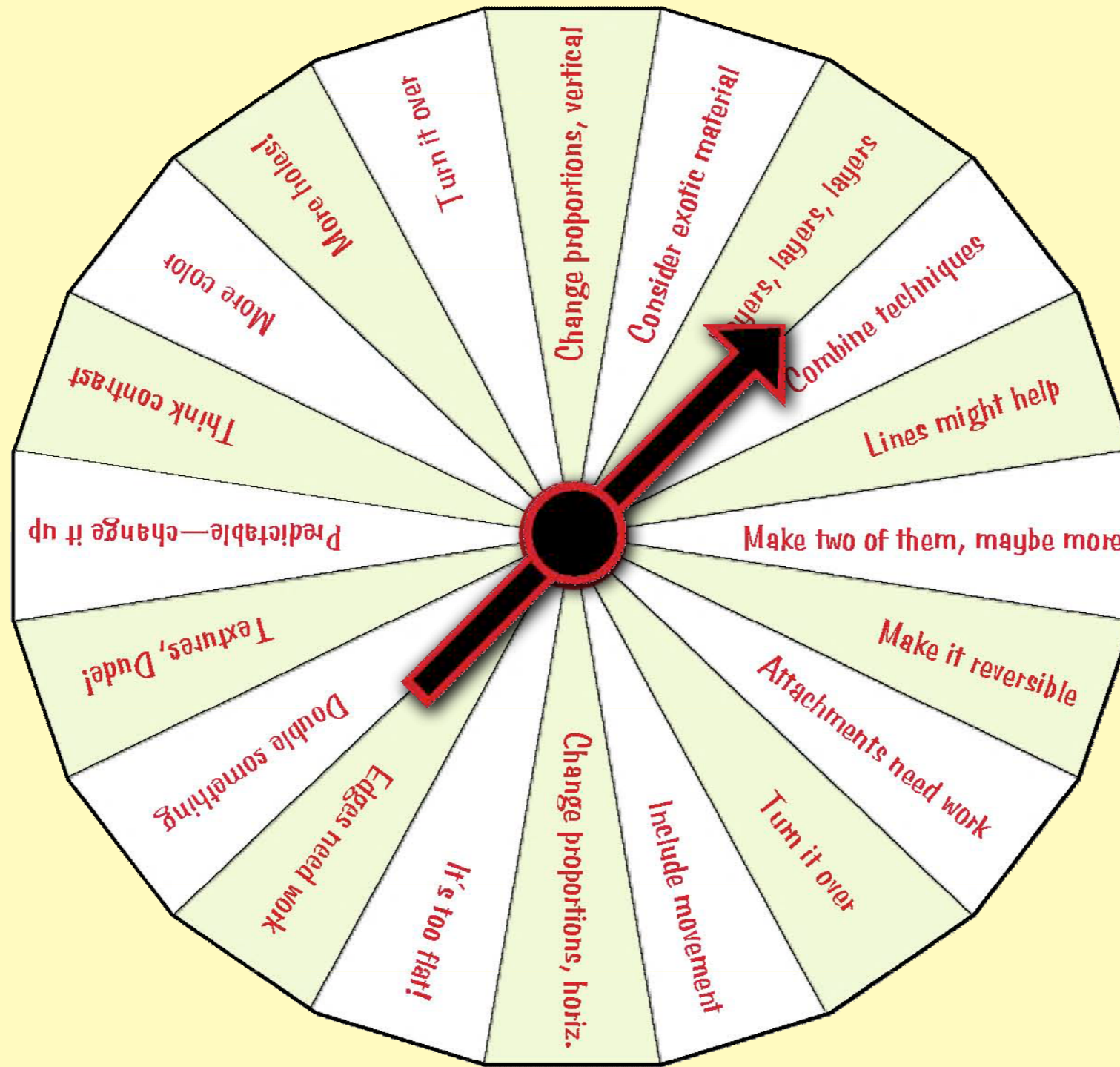


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Think Contrast!



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It's too flat!



Websites and Blogs

Websites and Blogs

Ebay - search terms

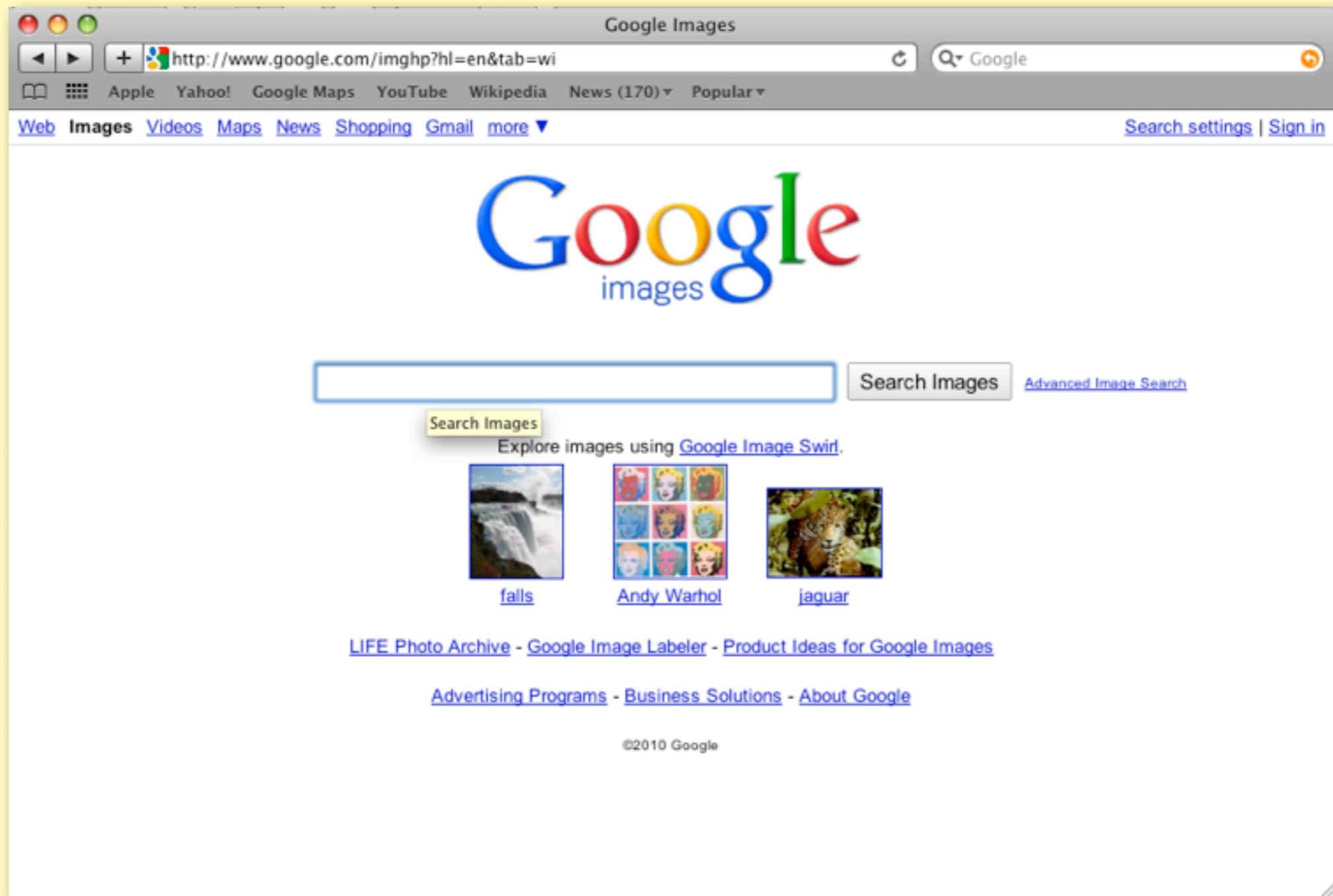
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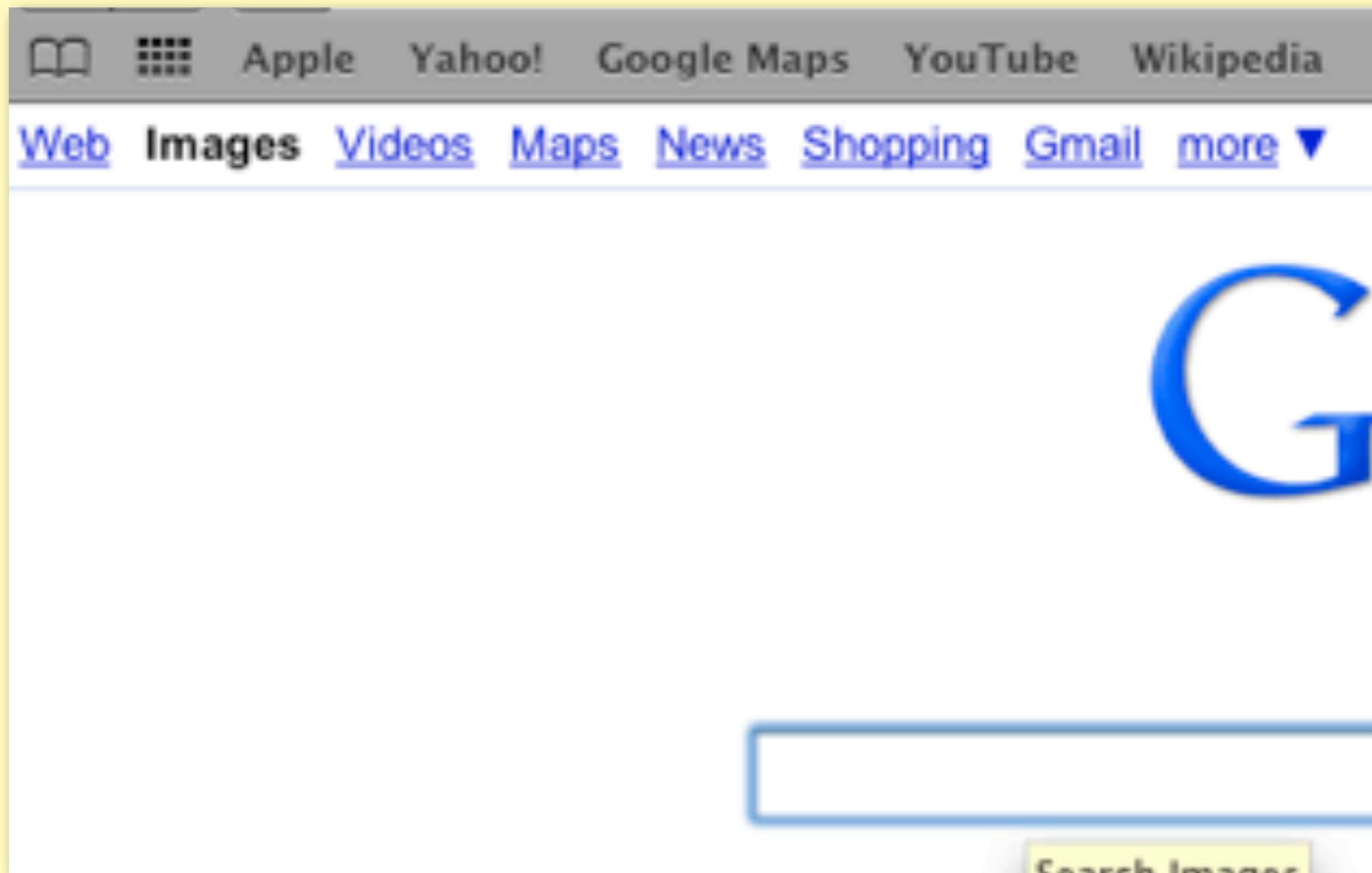
Google Images



Google Images



Google Images



Google Images

water - Google Search

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Google

water Search SafeSearch moderate

About 451,000,000 results (0.05 seconds) Advanced search

Related searches: [glass of water](#) [water drop](#) [water waves](#) [water wallpaper](#) [ocean](#)

Everything

Images

More

Any size

Medium

Large

Icon

Larger than...

Exactly...

Any type

Face

Photo

Clip art

Line drawing

Any color

Full color

Black and white

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[mtholyoke.edu](#)
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In fact,
500 x 330 - 35k - jpg
[nsf.gov](#)
[Find similar images](#)

Google Images

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About 451,000,000 results (0.05 seconds) [Advanced search](#)

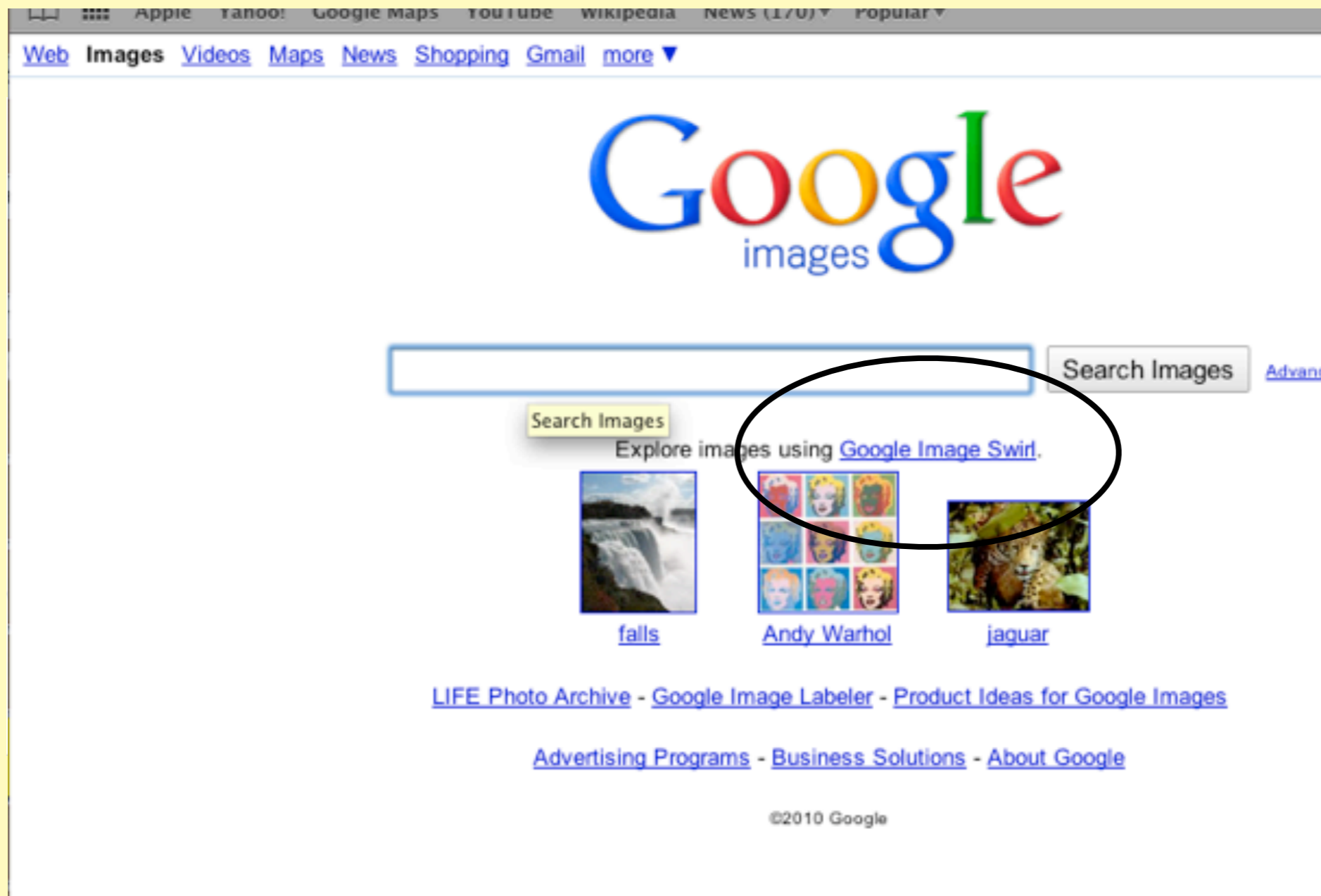
Related searches: [glass of water](#) [water drop](#) [water waves](#) [water wallpaper](#) [ocean](#)

		
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Google Image Swirl



Google Image Swirl

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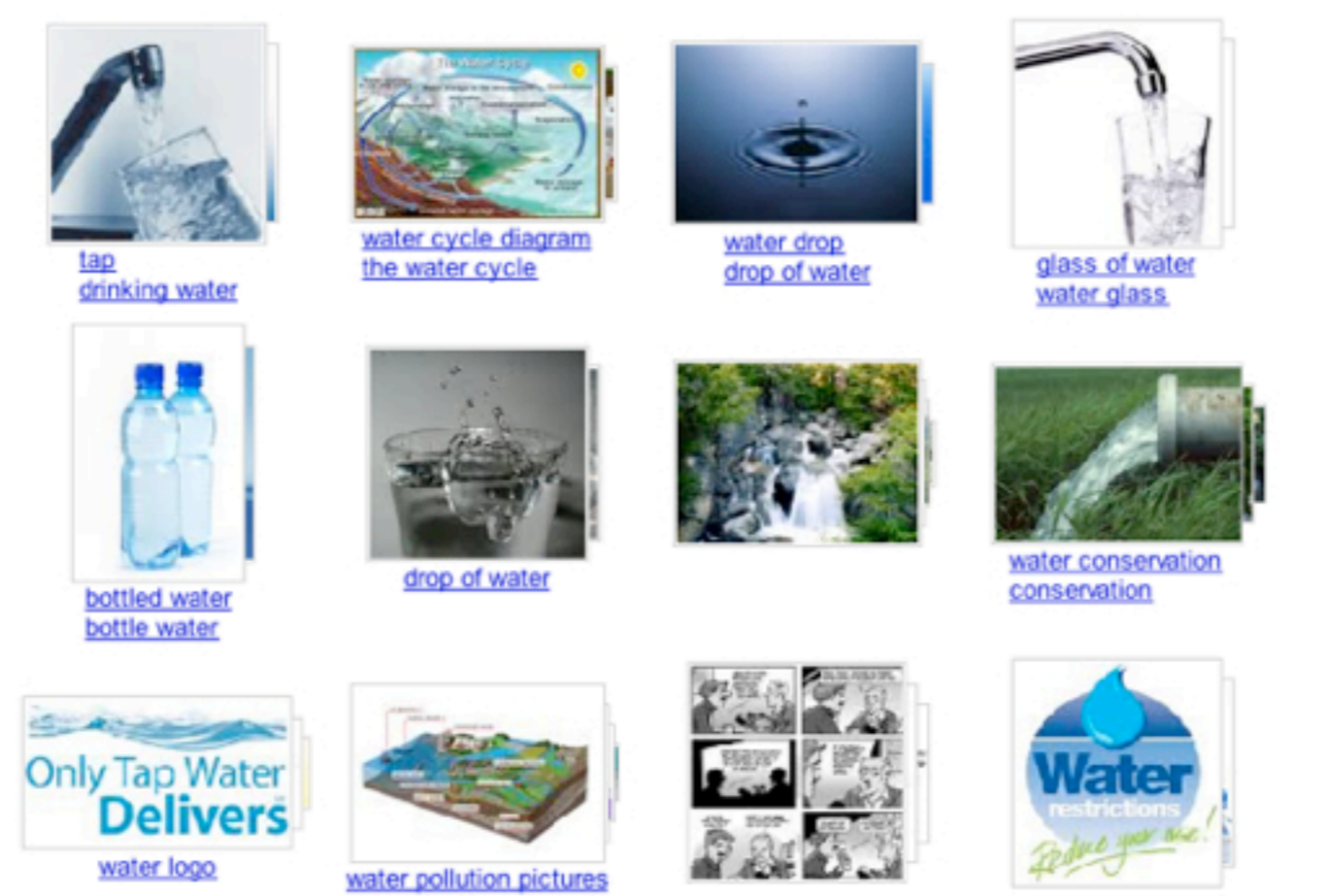
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About




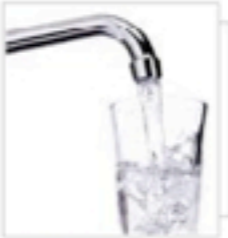






[resources](#) [natural resources](#) [services](#) [environmental issues](#) [elements](#) [energy resources](#) [products](#) [molecules](#) [pipes](#) [animals](#)

categories for **water**

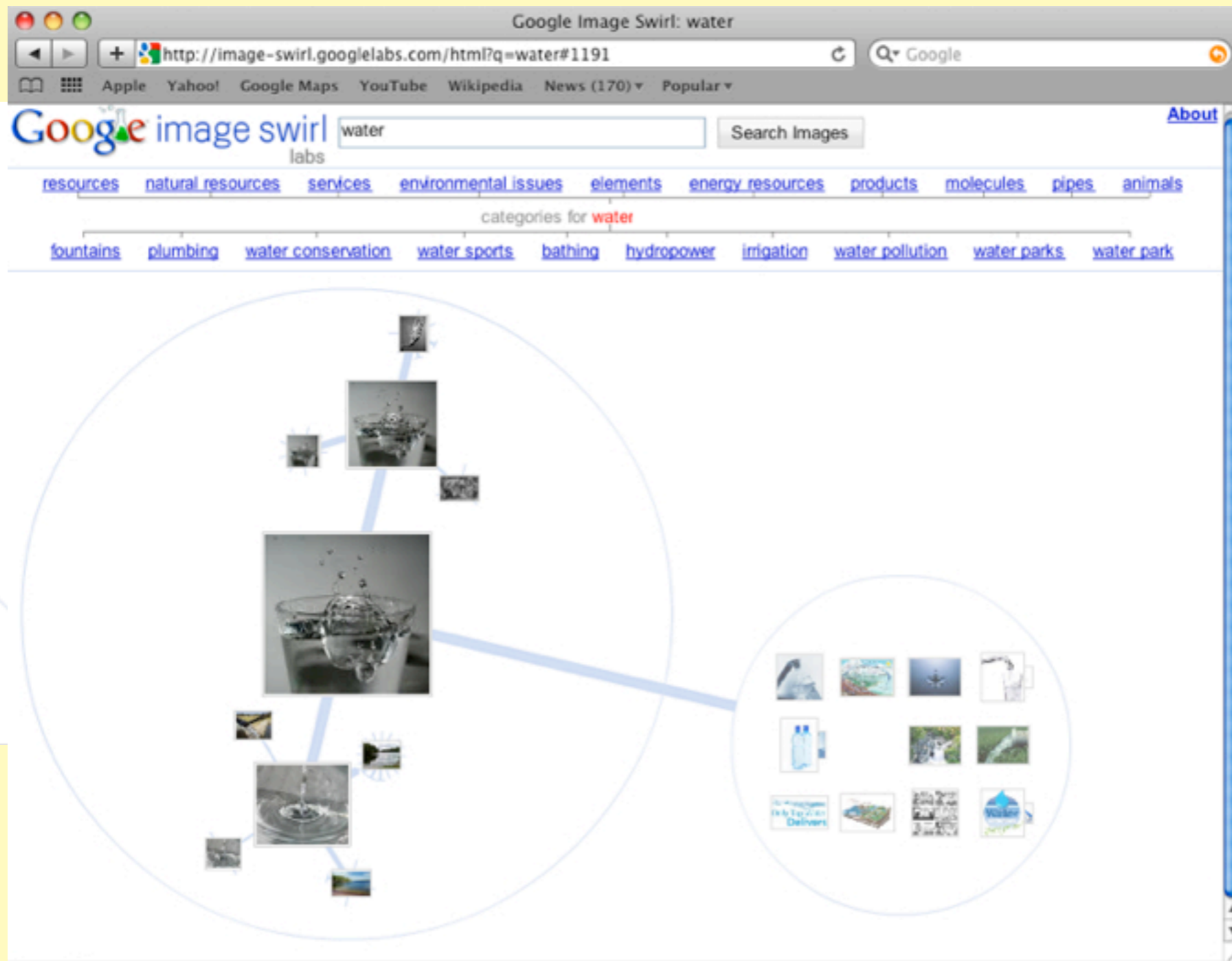
[fountains](#) [plumbing](#) [water conservation](#) [water sports](#) [bathing](#) [hydropower](#) [irrigation](#) [water pollution](#) [water parks](#) [water park](#)



The image shows a grid of 12 search results for the query 'water'. Each result consists of a small image and a caption below it. The results are:

-  [tap drinking water](#)
-  [water cycle diagram](#)
[the water cycle](#)
-  [water drop](#)
[drop of water](#)
-  [glass of water](#)
[water glass](#)
-  [bottled water](#)
[bottle water](#)
-  [drop of water](#)
-  [water conservation](#)
[conservation](#)
-  [water logo](#)
-  [water pollution pictures](#)
[water pollution](#)
-  [water restrictions](#)
Reduce your use!

Google Image Swirl



Google Image Swirl

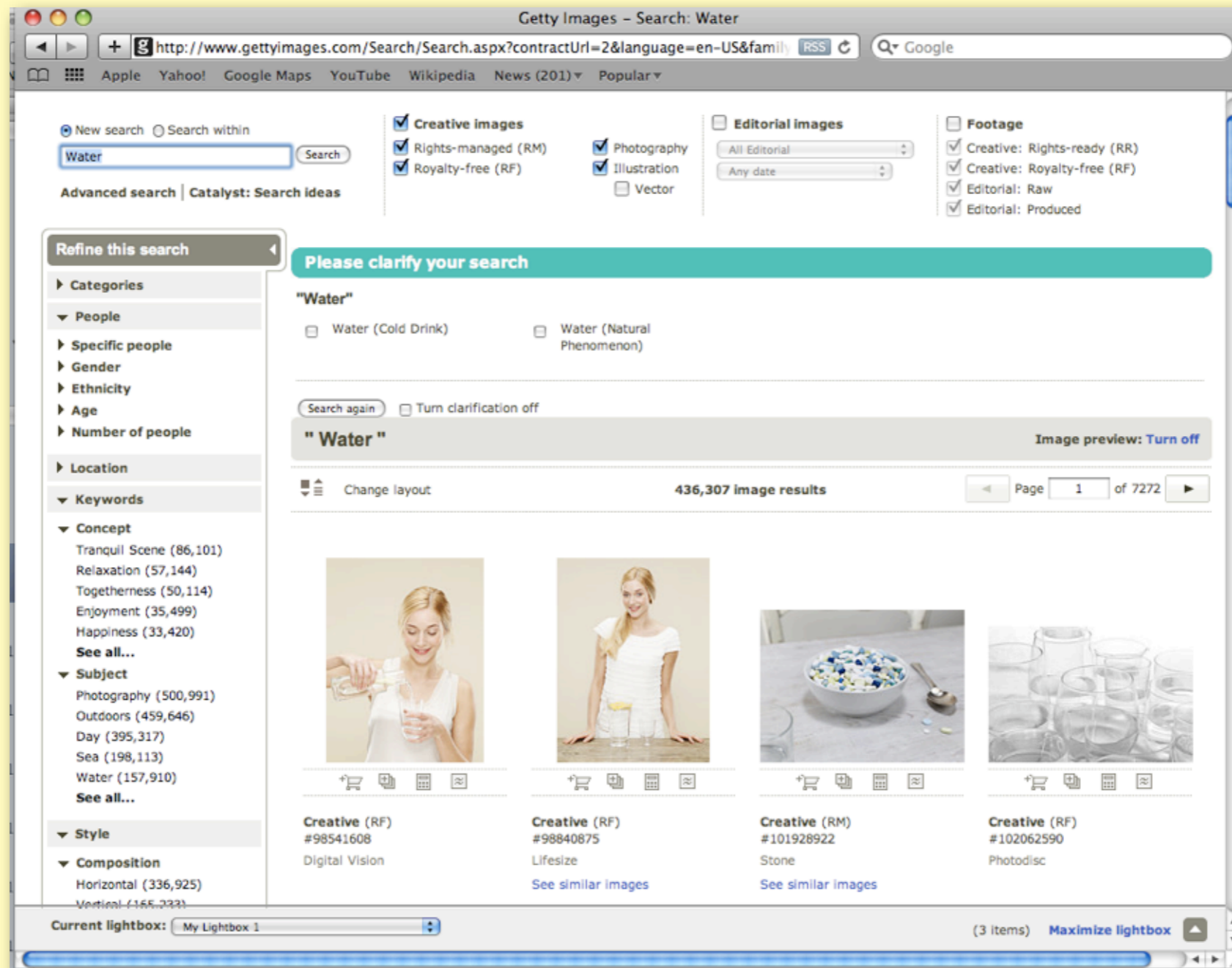


Online photo search

Getty Images – www.gettyimages.com

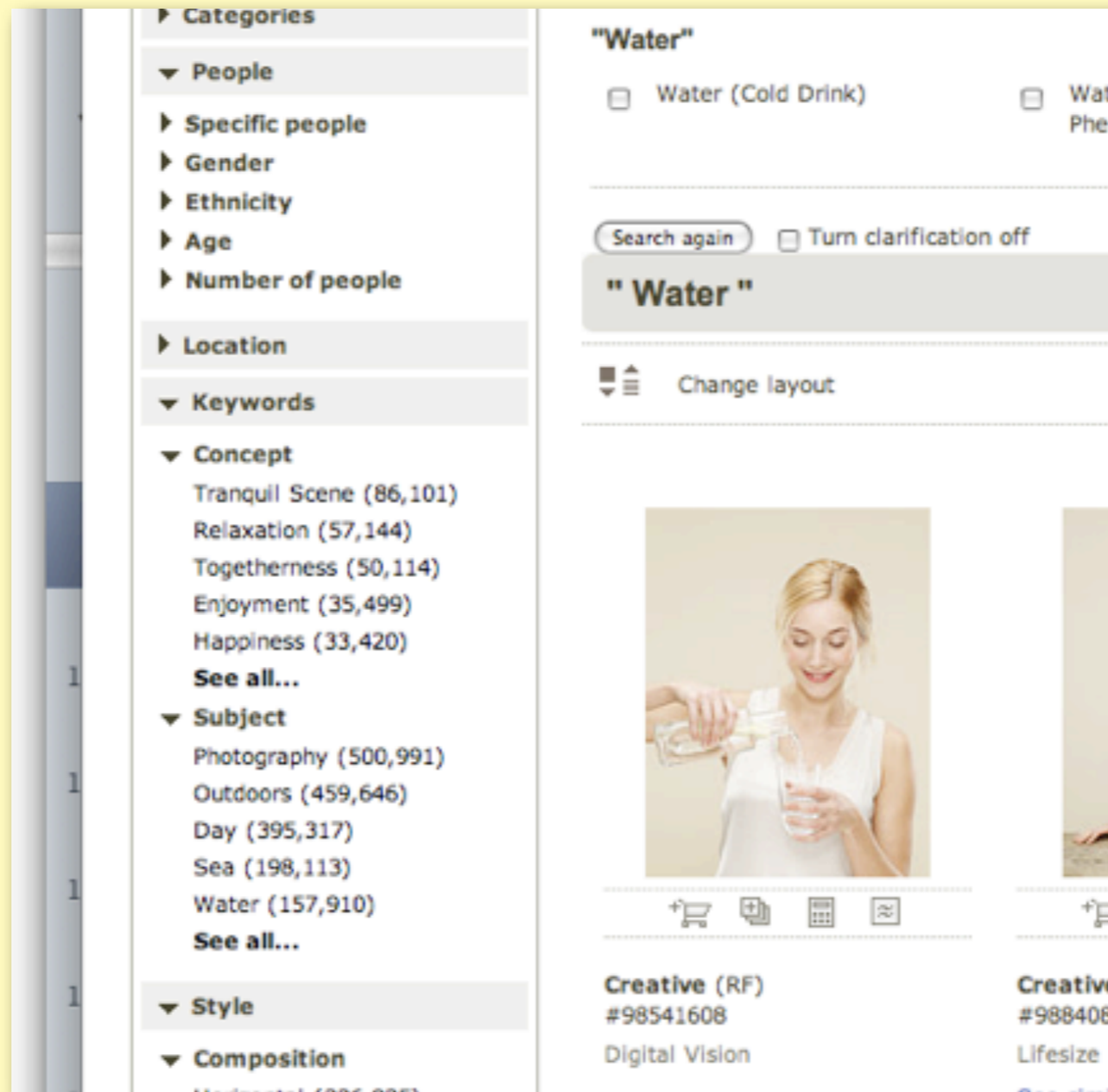
Online photo search

Getty Images – www.gettyimages.com



Online photo search

Getty Images – www.gettyimages.com



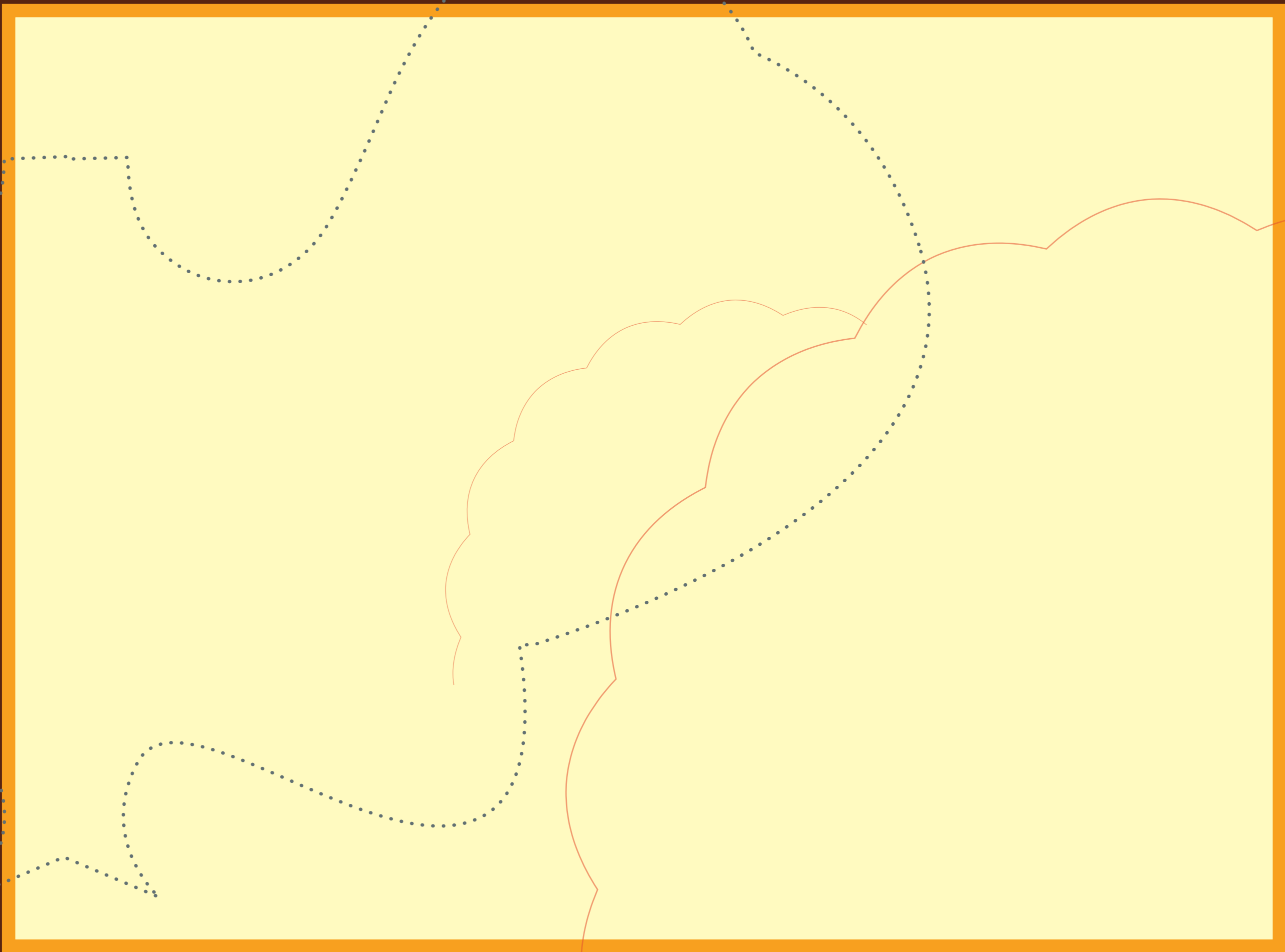




Photo searches

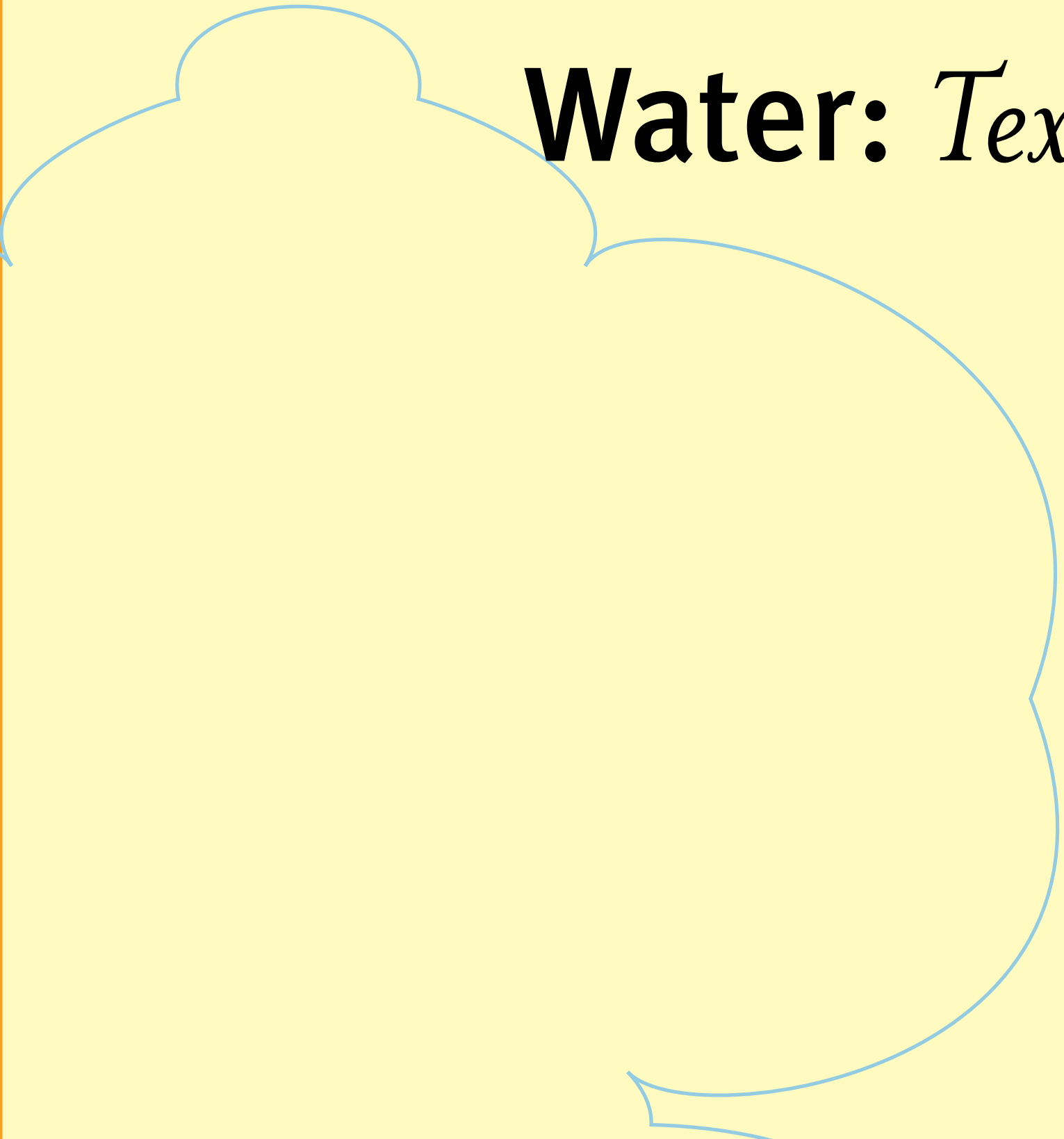
Putting it to use



Water: *Island Life*

Water: *Island Life*



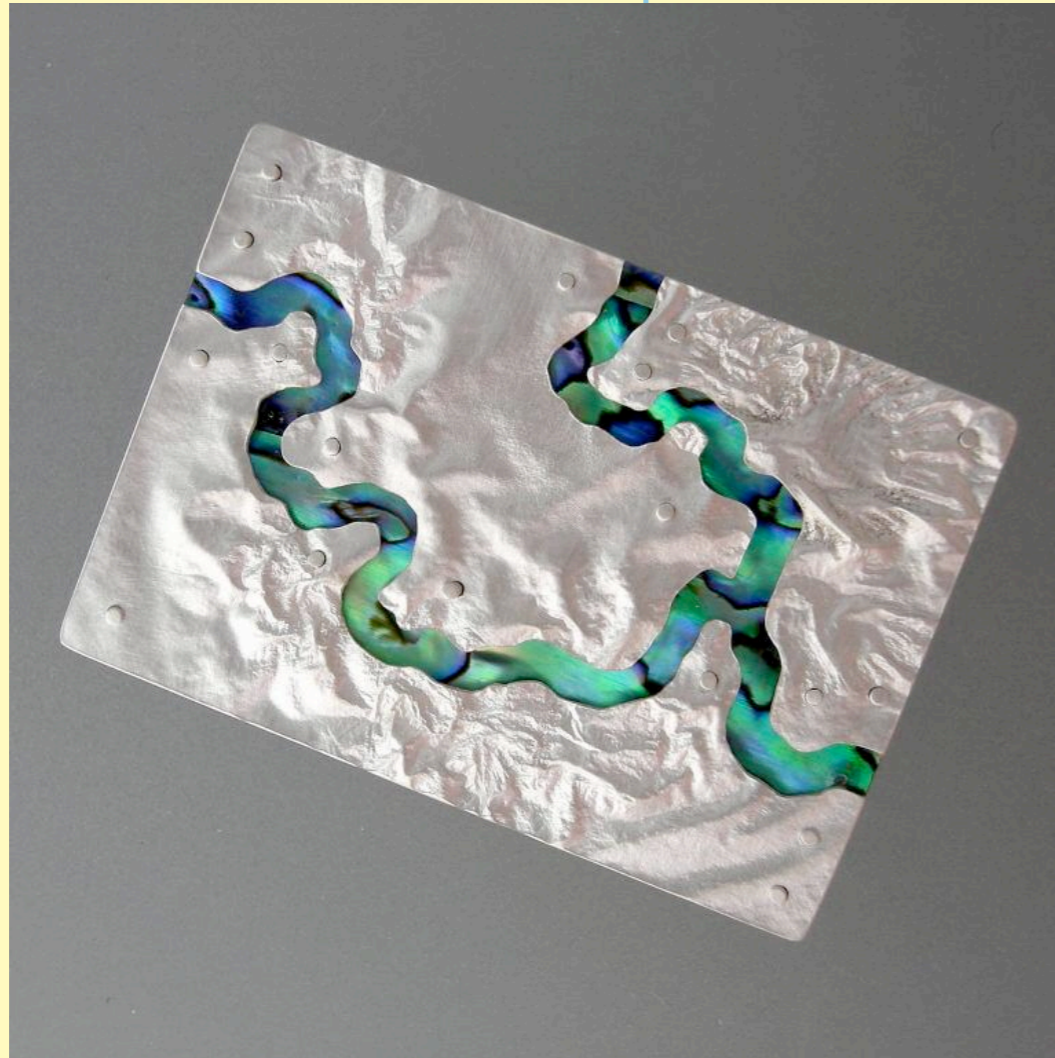


Water: *Texture*

Water: *Texture*



Water: *Texture*



Water: *Texture*



Water: *Texture*



Water: *Texture*

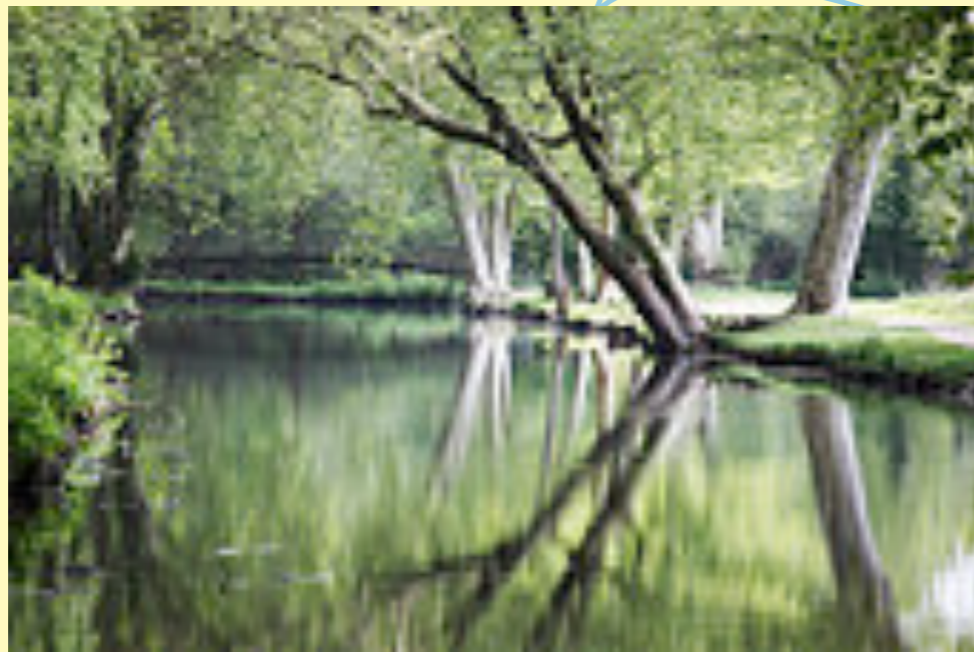
Water: *Texture*



Water: *Texture*



Water: *Reflections*



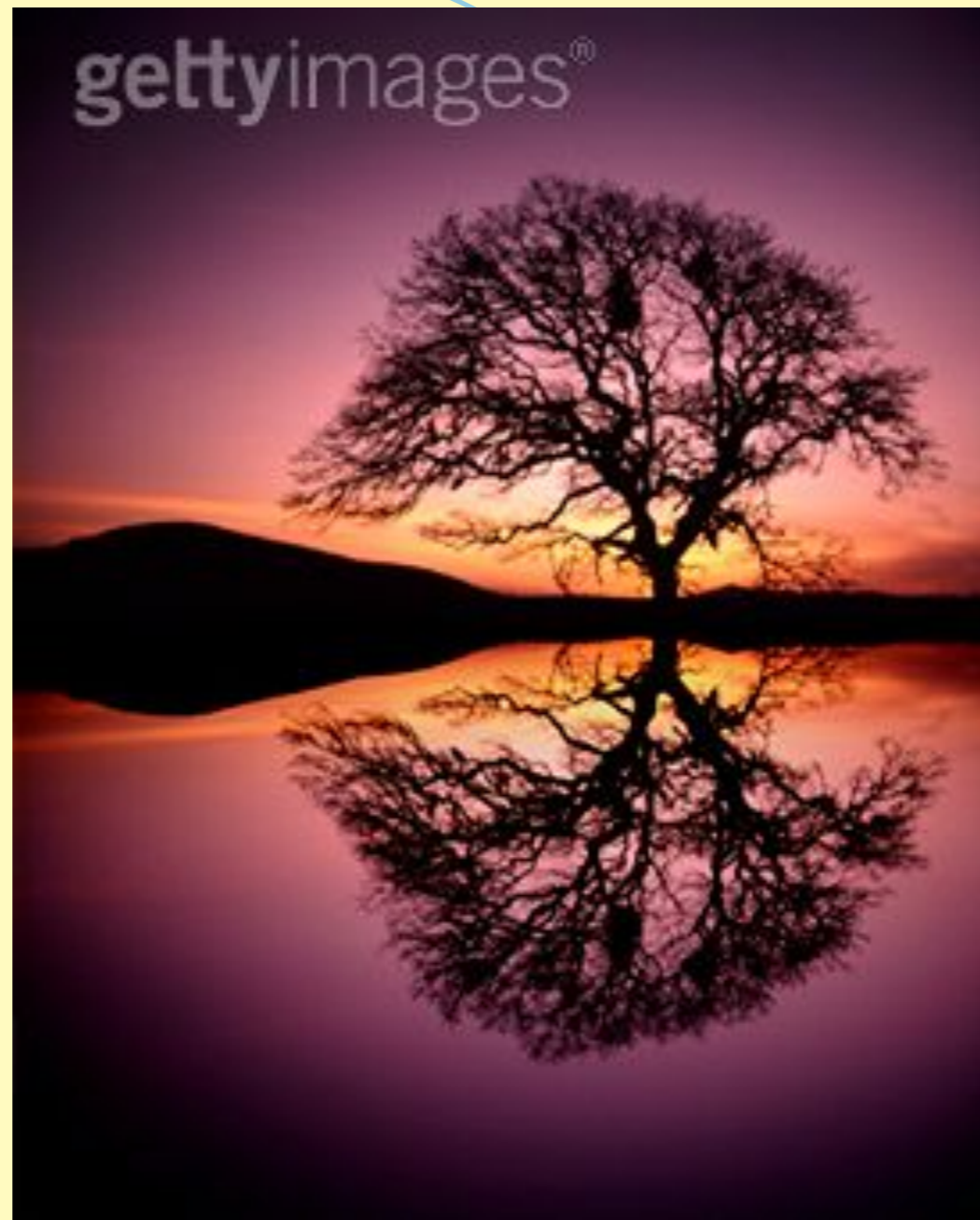


Water: Reflections – *Color & Shapes*

Water: Reflections – Color & Shapes



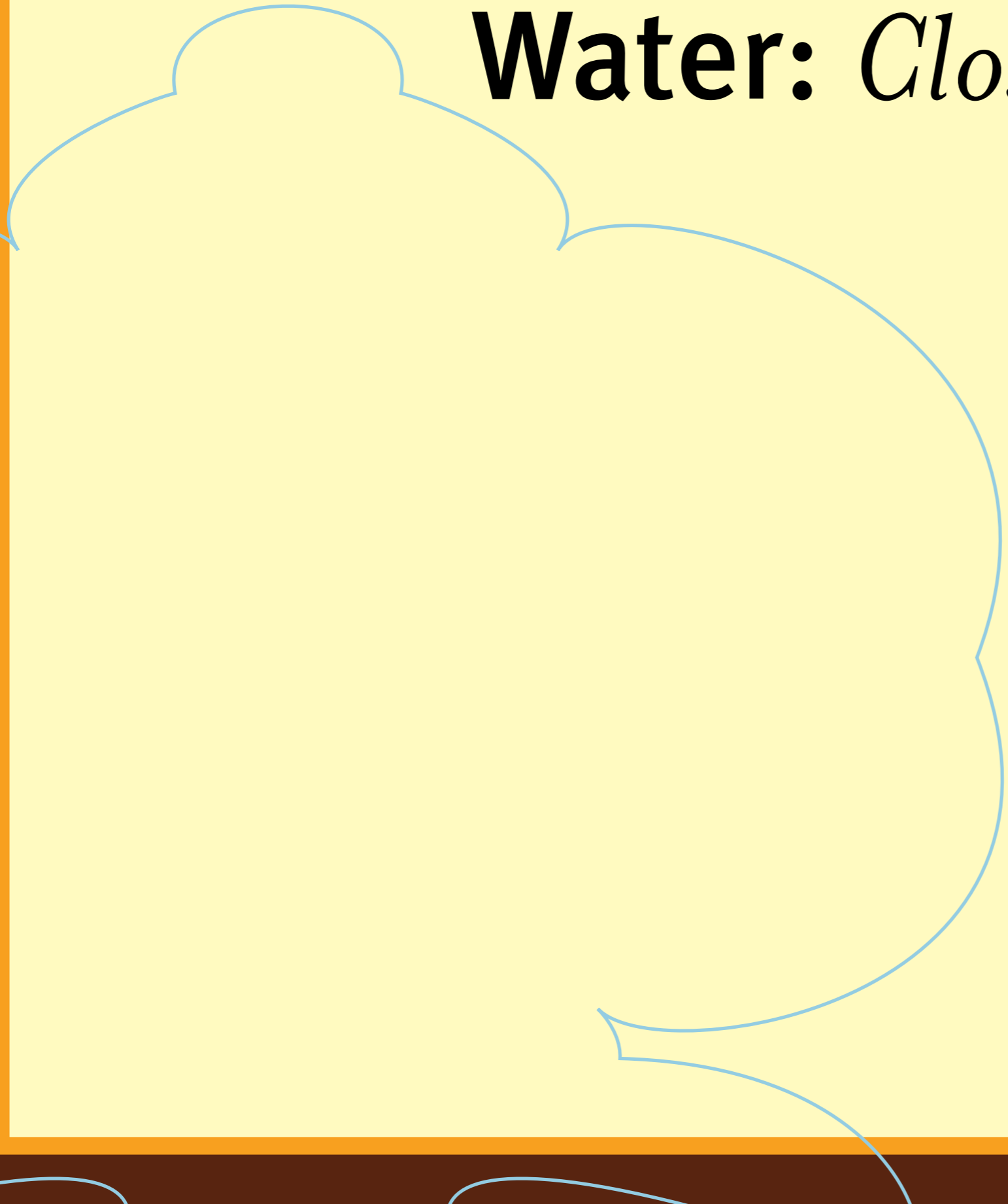
Water: Reflections – Color & Shapes



Water: Reflections – Color & Shapes



Water: *Close up*



Water: *Close up*



Water: *Close up*

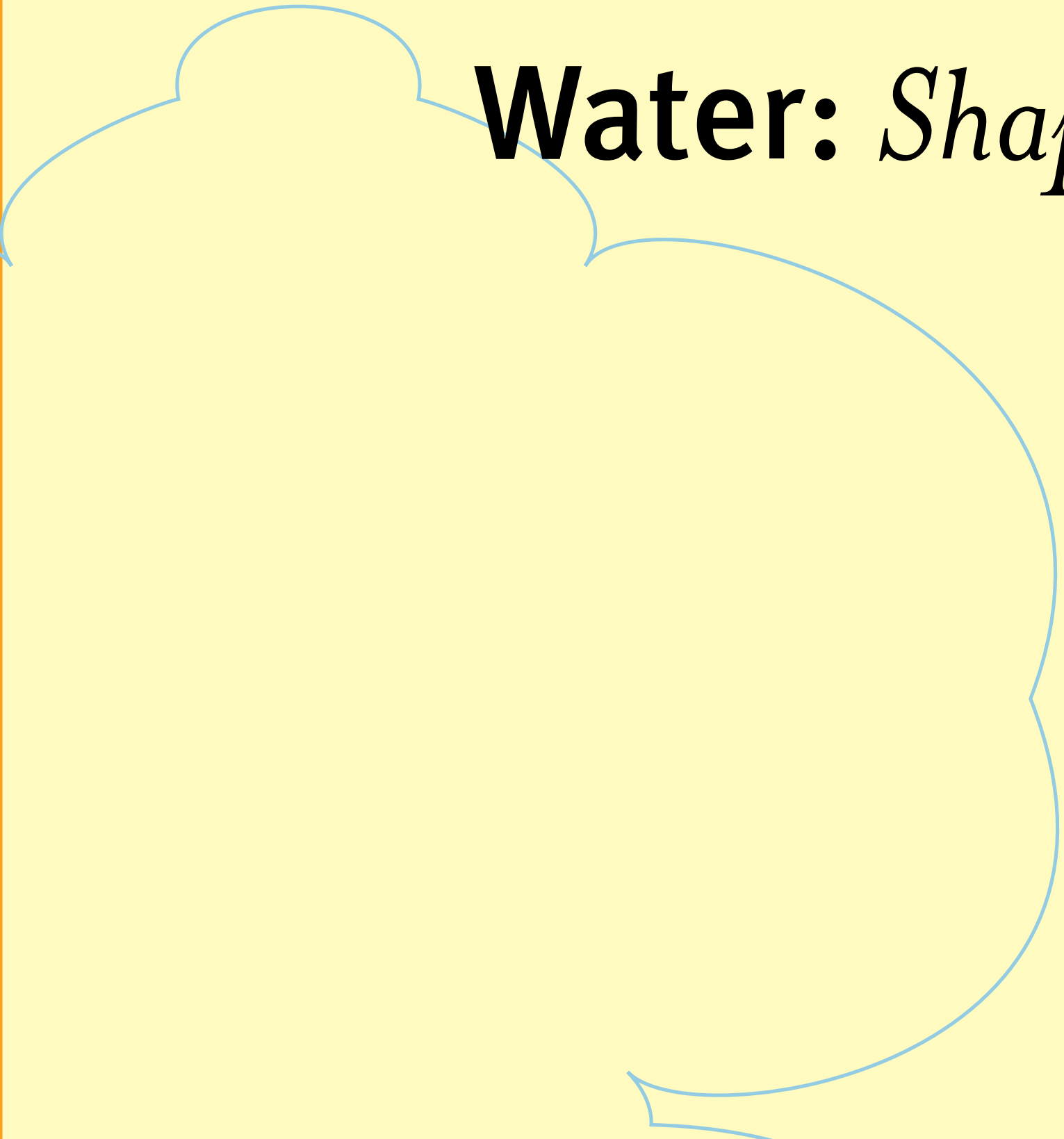


Water: *Close up*



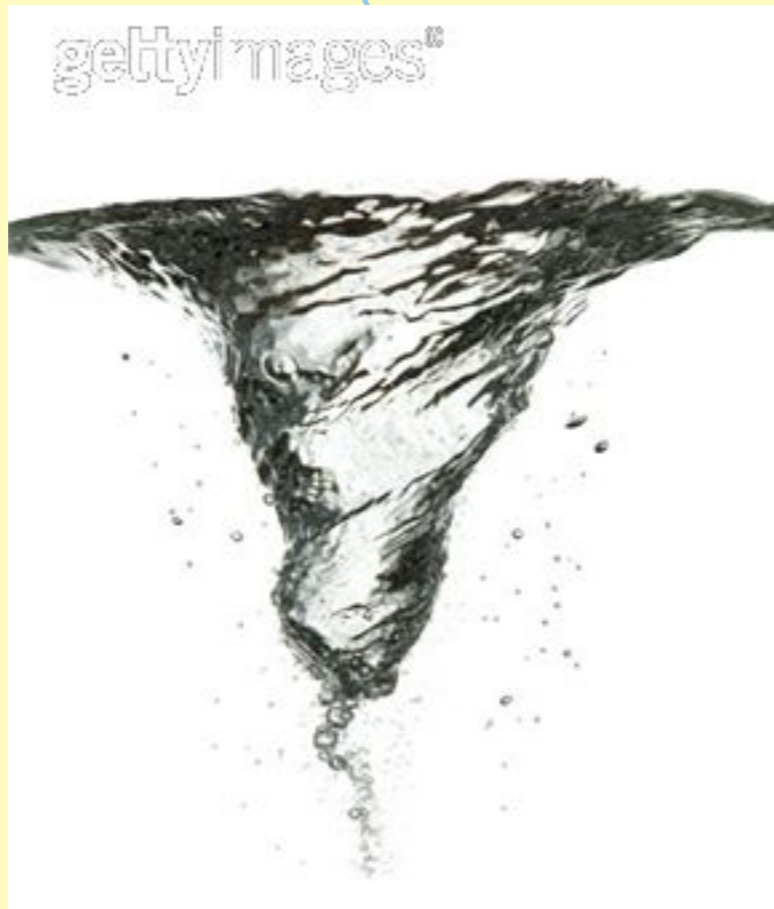
Water: *Close up*





Water: *Shapes of*

Water: *Shapes of*



Water: *Shapes of*



Water: *Shapes of*



Water: *Shapes of*



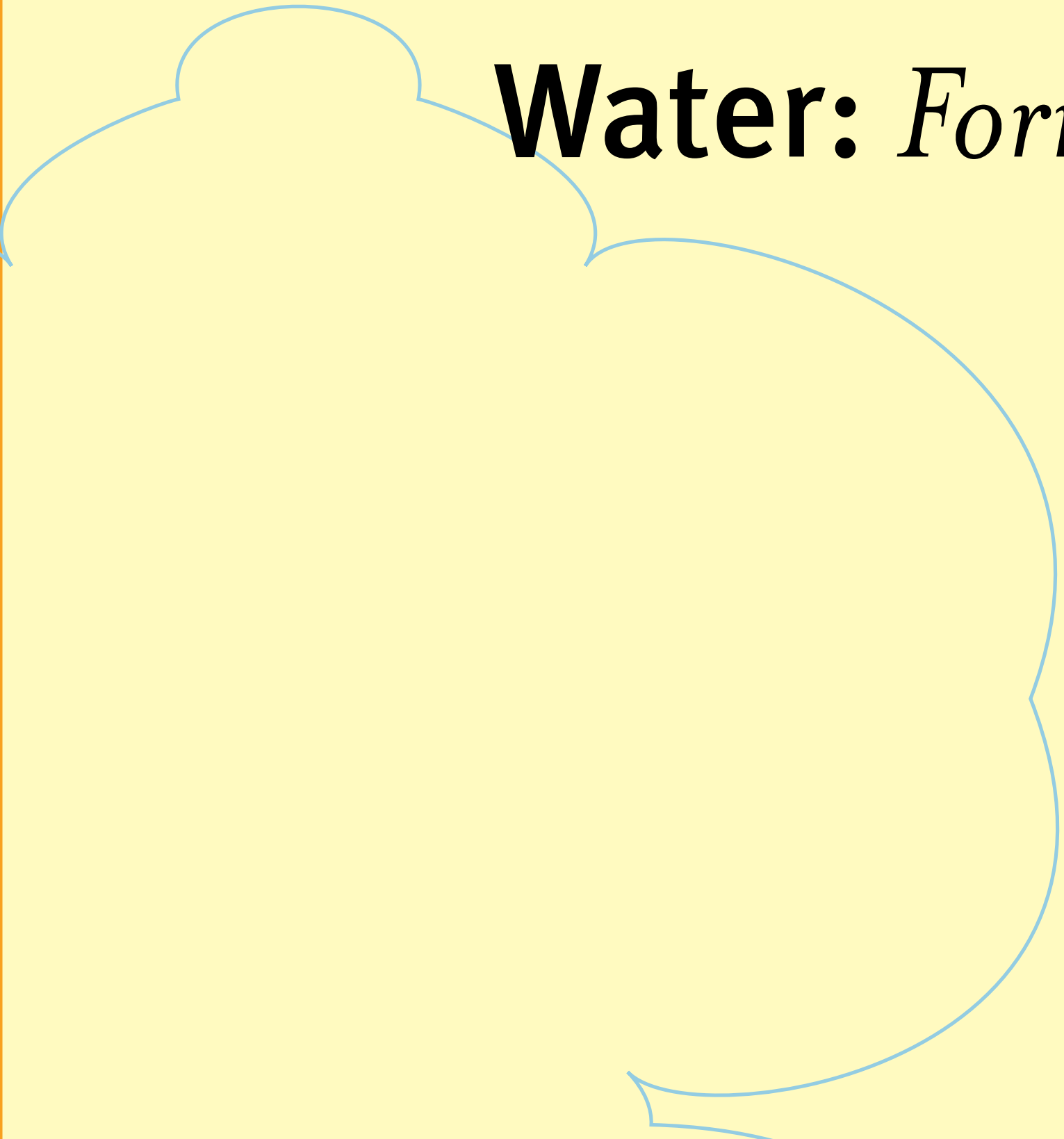
Water: *Shapes of*



Water: *Shapes of*



Water: *Forms of*



Water: *Forms of*



Water: *Forms of*



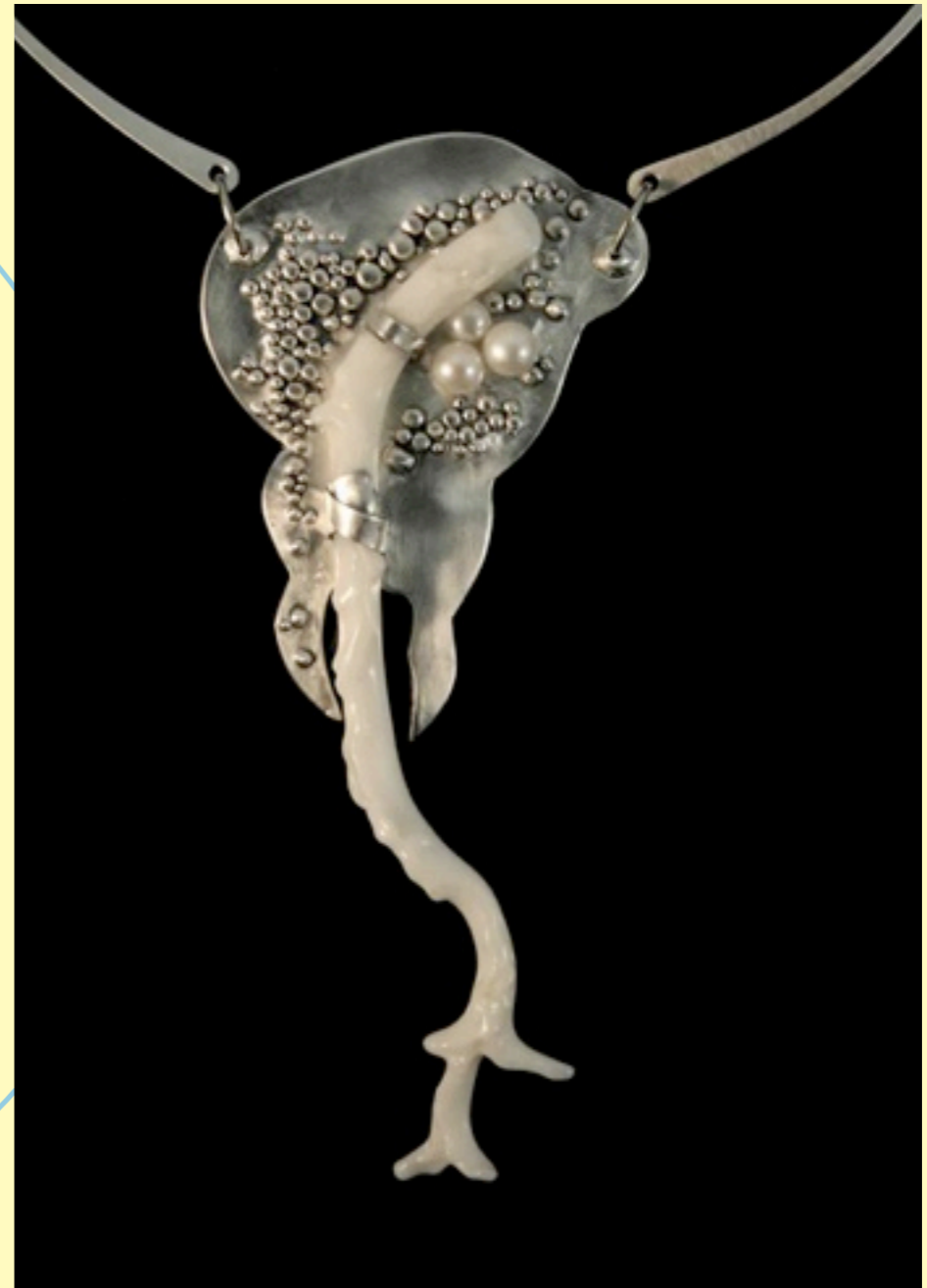
Putting it all together



Putting it all together



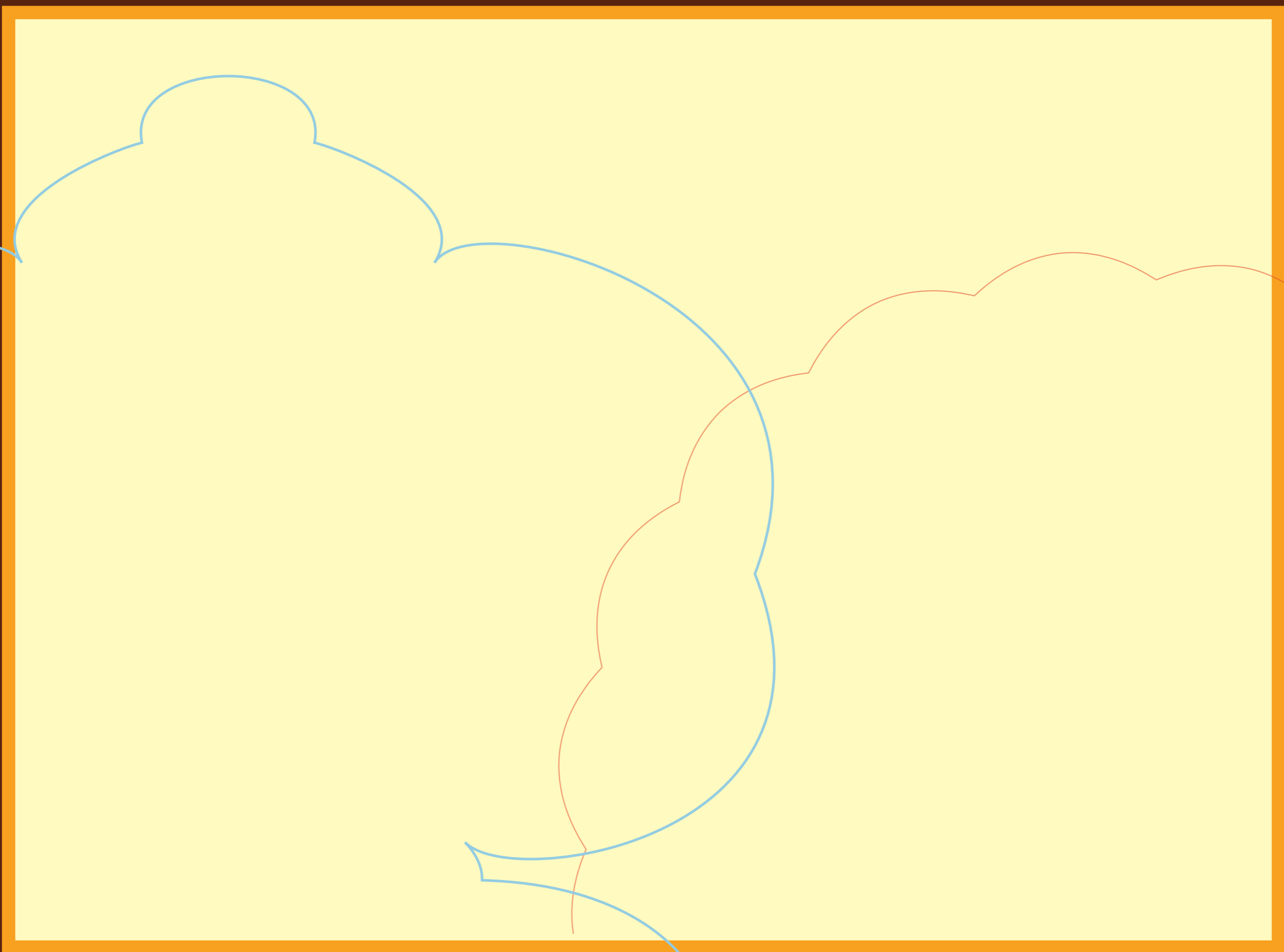
Putting it all together





Brainstorming Tool #3

Creativity Cards

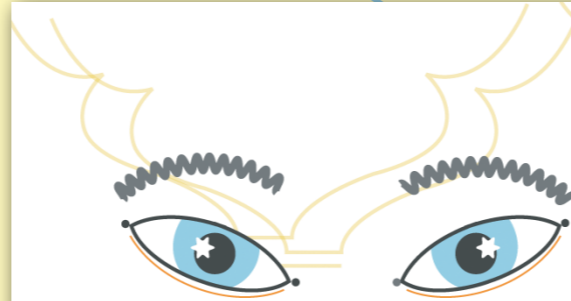


Creativity Cards



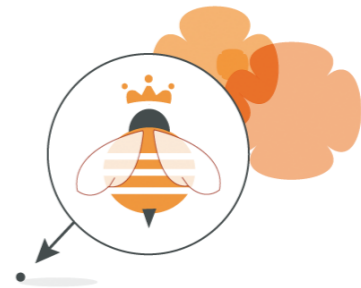
TAKE A RISK

As adults we are taught to censor ourselves. In brainstorming we must not censor our ideas before they have time to bloom into something big. The "silly" comment you could make just might plant the seed that leads to the next great idea.



THROUGH A CHILD'S EYES

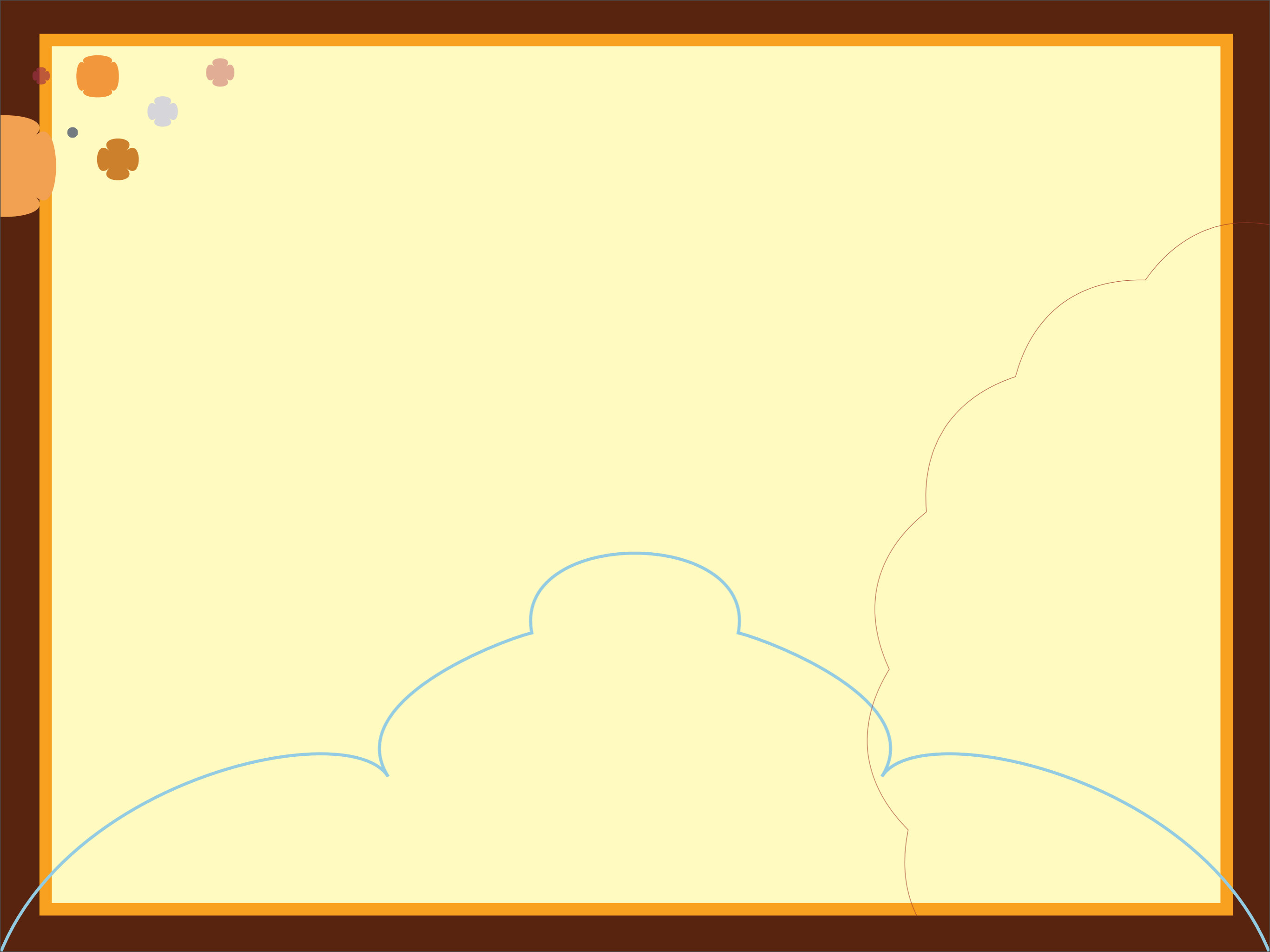
If you have ever spent time with a 6 year old you know the sense of amazement and imagination they have. They can turn a pencil into a jet plane. Explore your idea through a child's eyes and you might open yourself up to new ways of seeing.

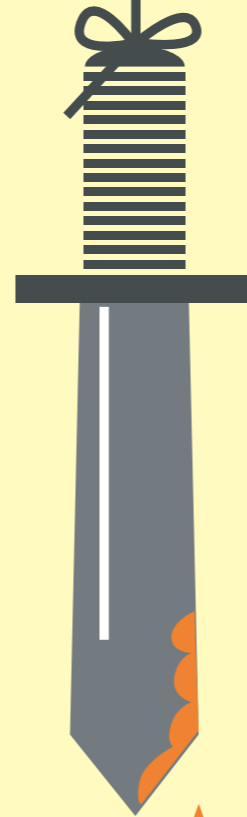


MICROSCOPIC VIEW

Scientists use microscopes to explore things not readily seen upon first inspection. What are you not seeing upon your initial look?



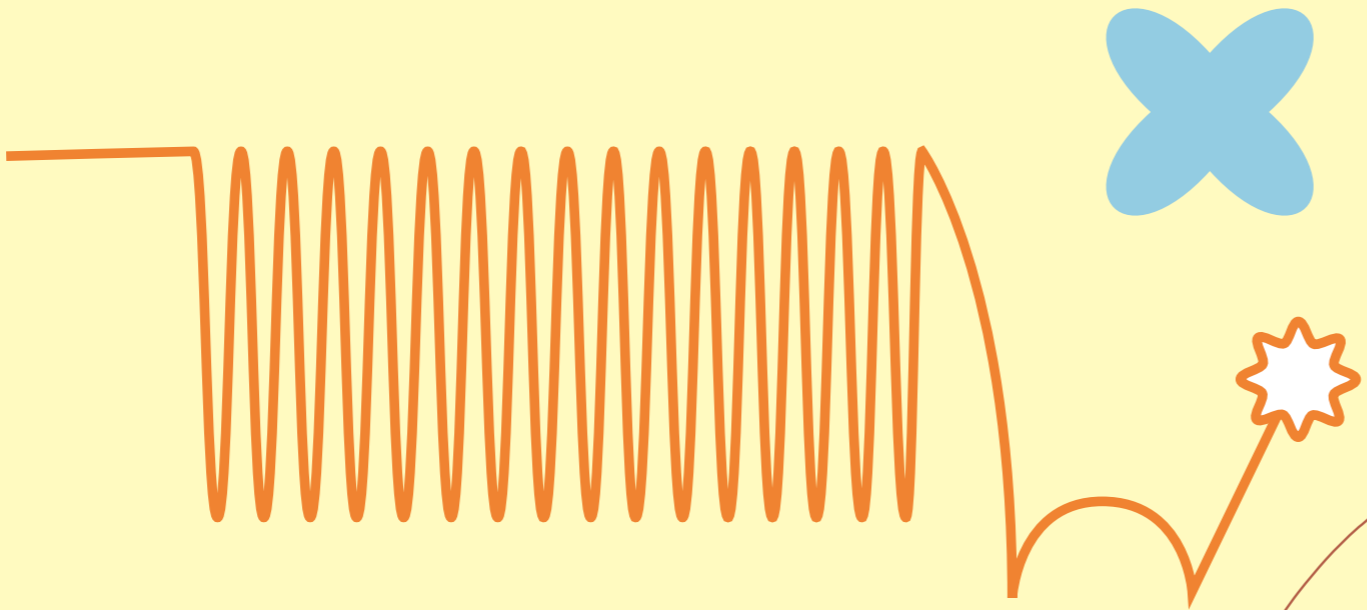




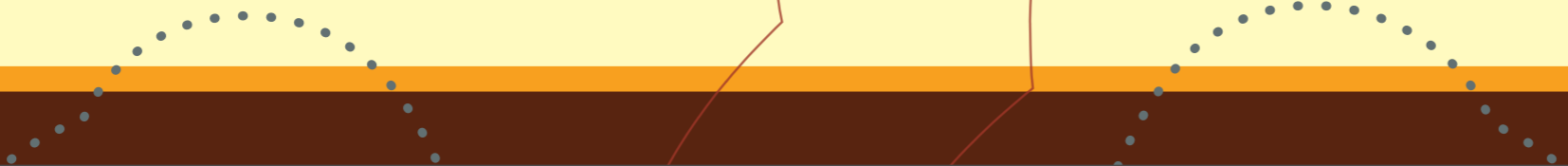
TAKE A RISK.

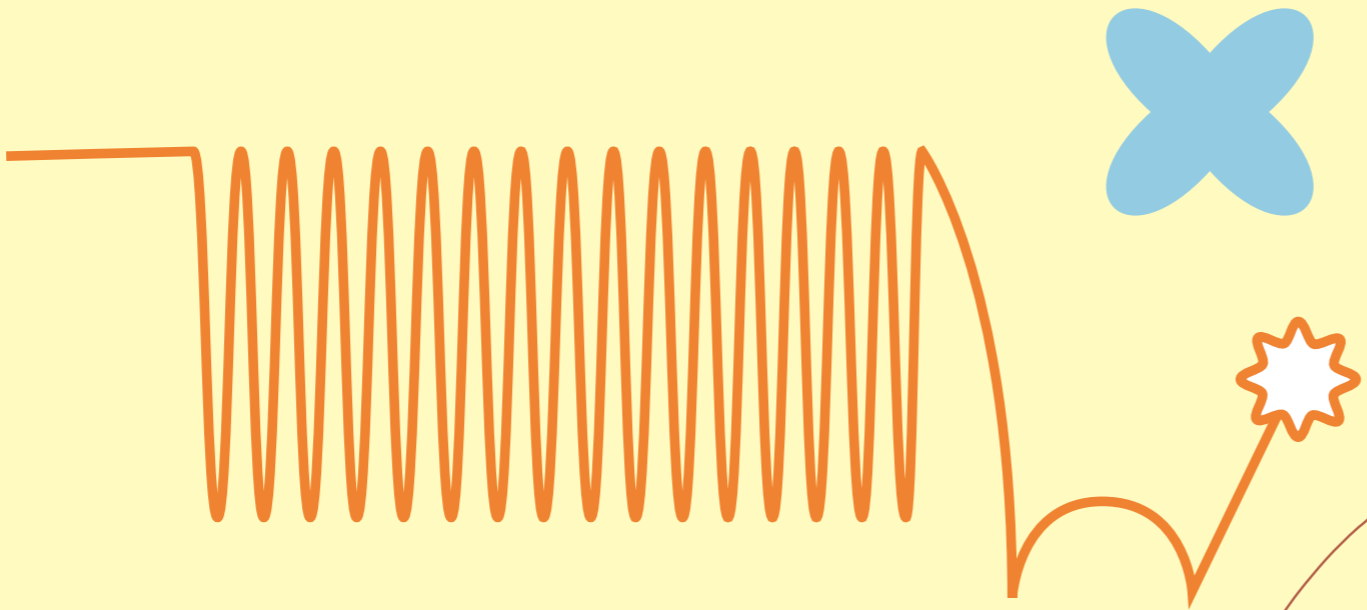
Have the courage to explore without judgement.





RAPID FIRE BRAIN DUMP





RAPID FIRE BRAIN DUMP

Massive outpouring of ideas

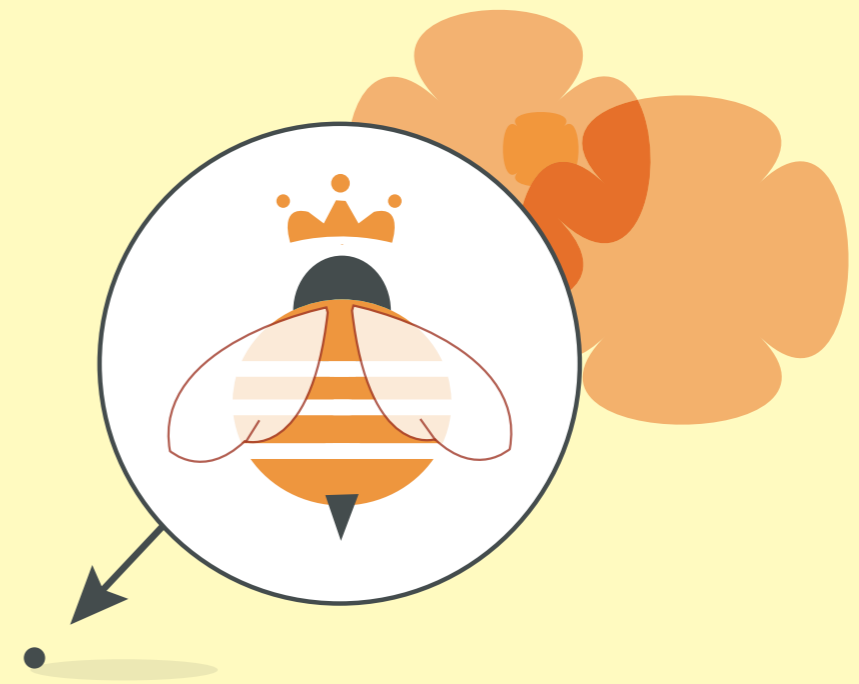




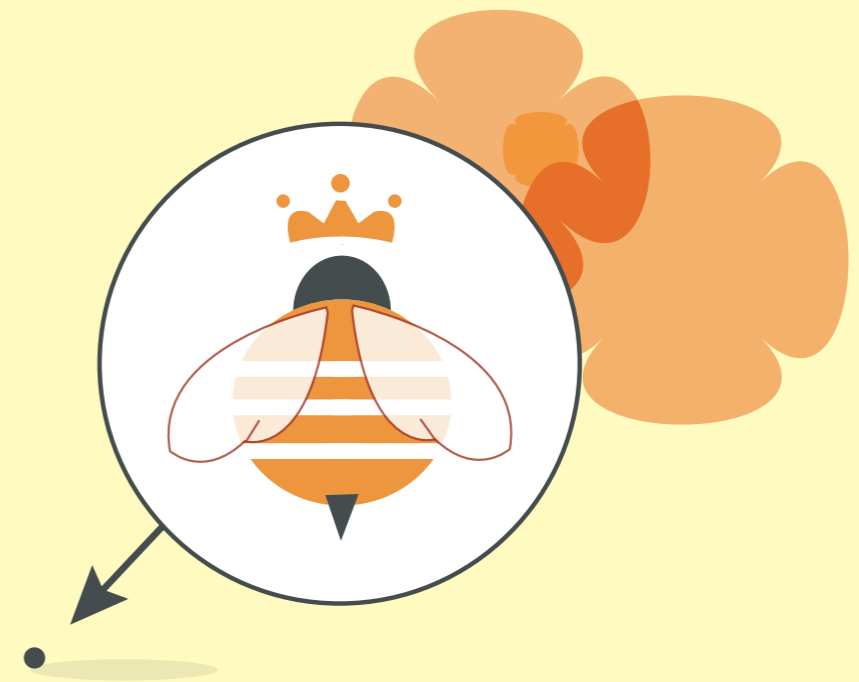
THROUGH A CHILD'S EYES

Look at something as if it was your first time





MICROSCOPIC VIEW



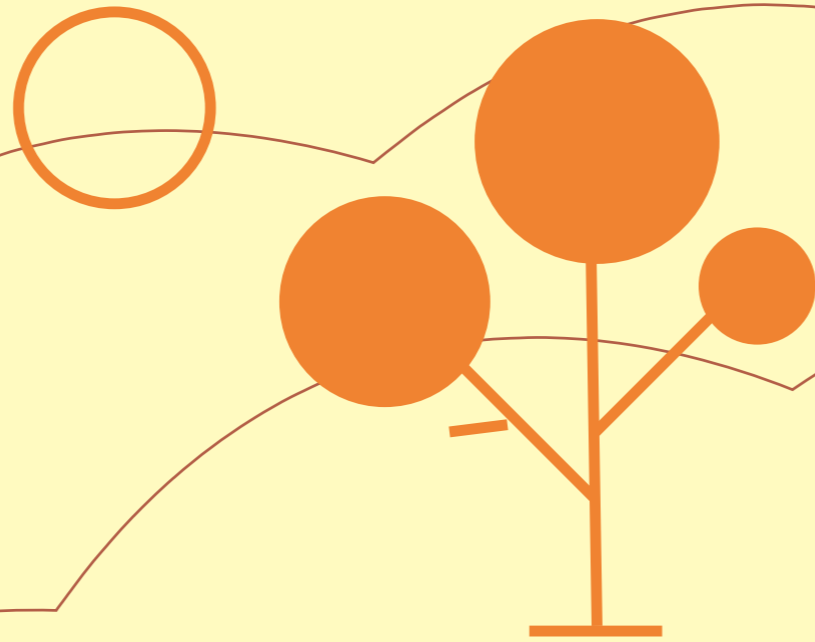
MICROSCOPIC VIEW

What are you not seeing upon your initial look?





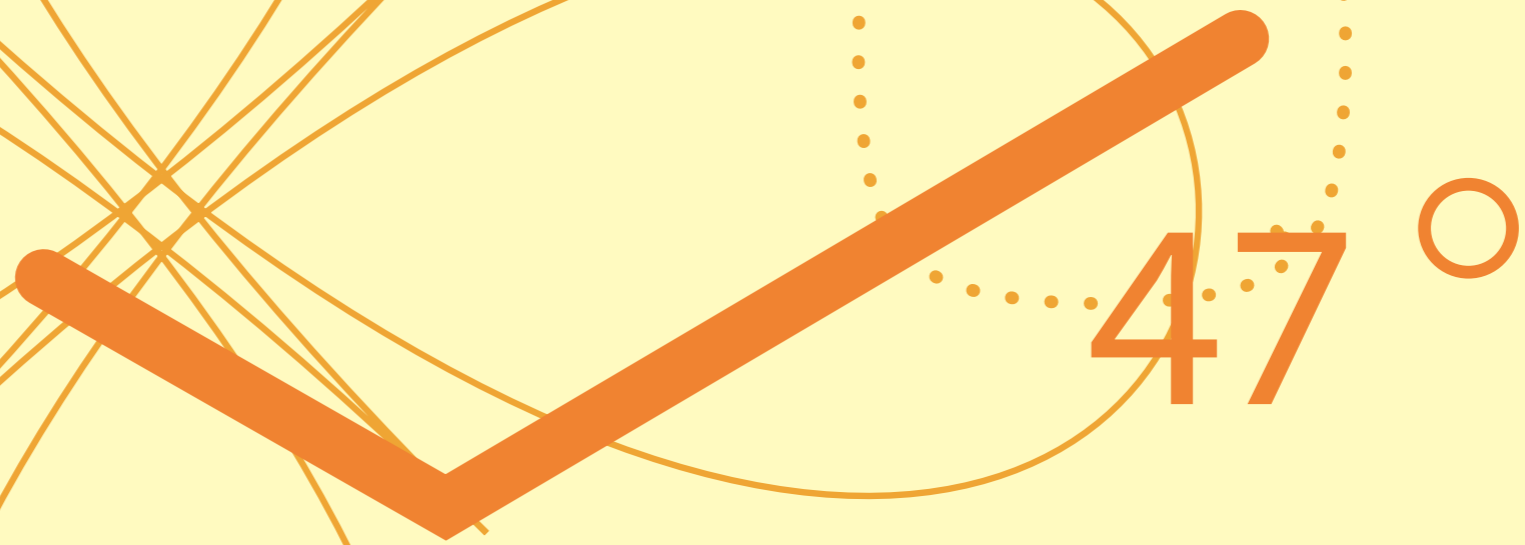
CHANGE OF SCENERY



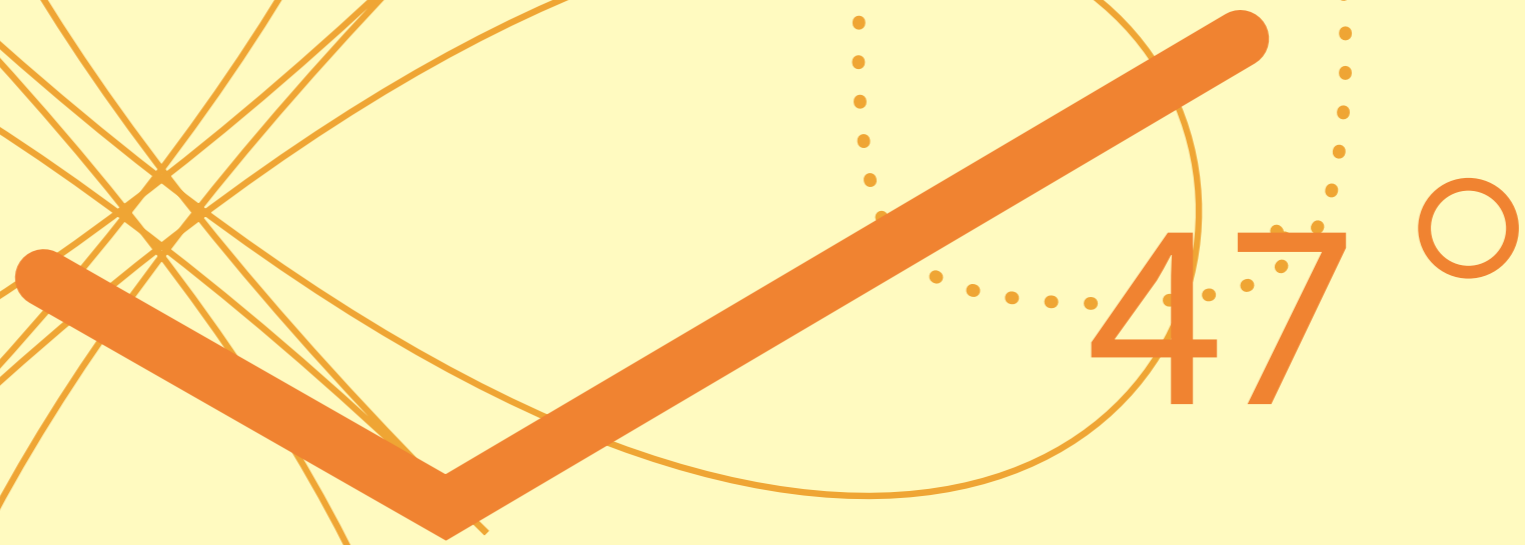
CHANGE OF SCENERY

Break free of the studio





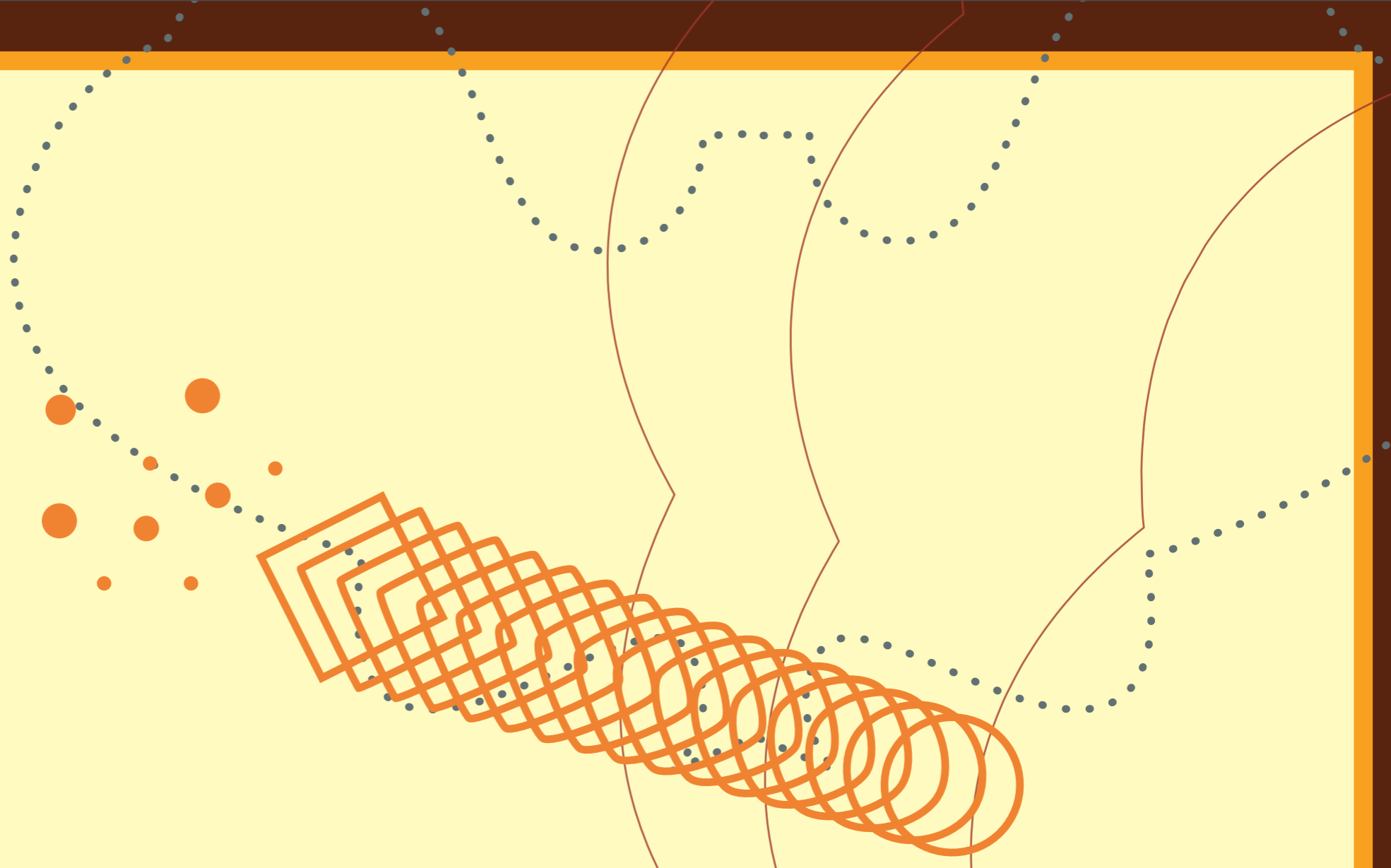
A DIFFERENT ANGLE



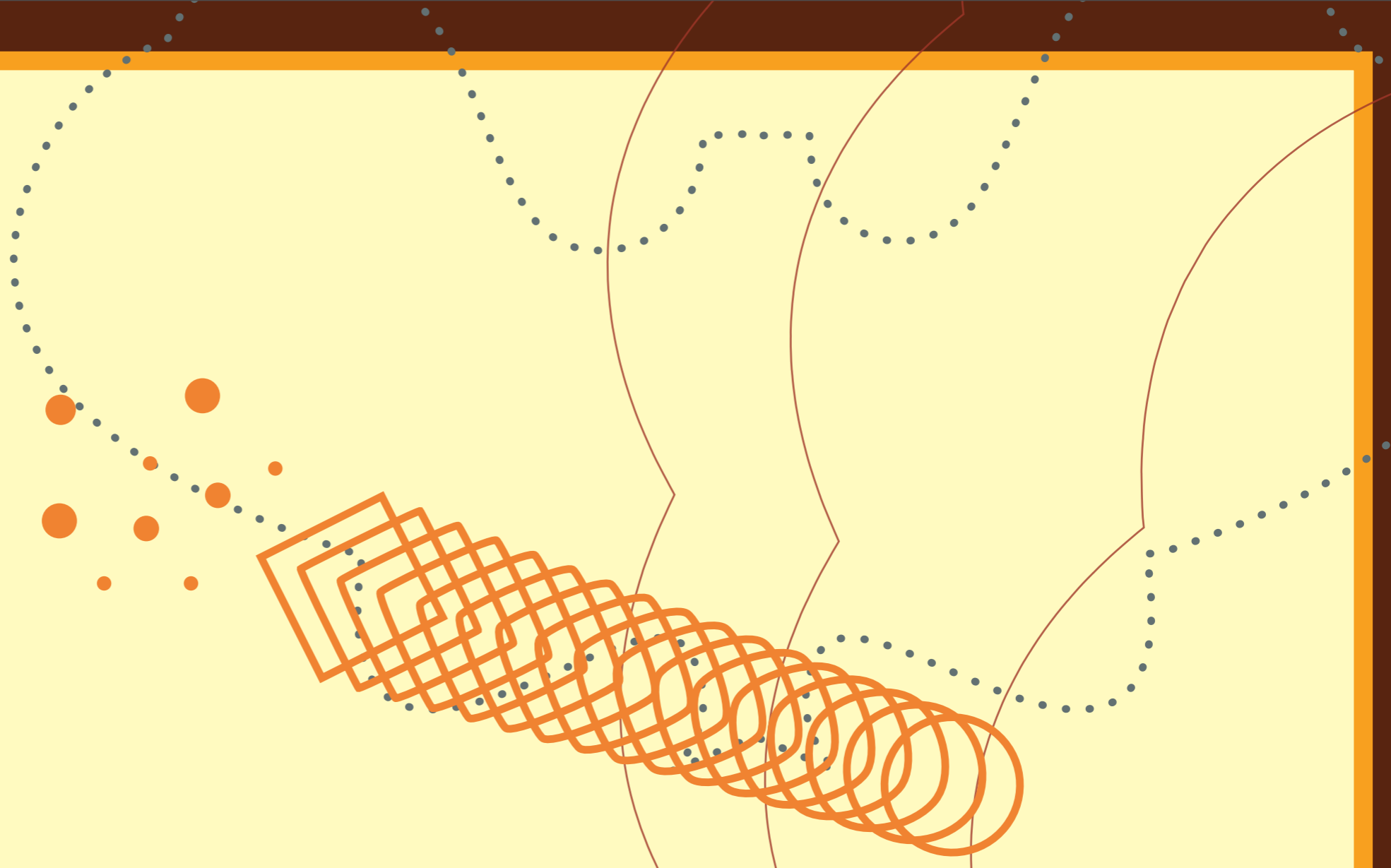
A DIFFERENT ANGLE

**Try looking at things from the view point
of another person.**





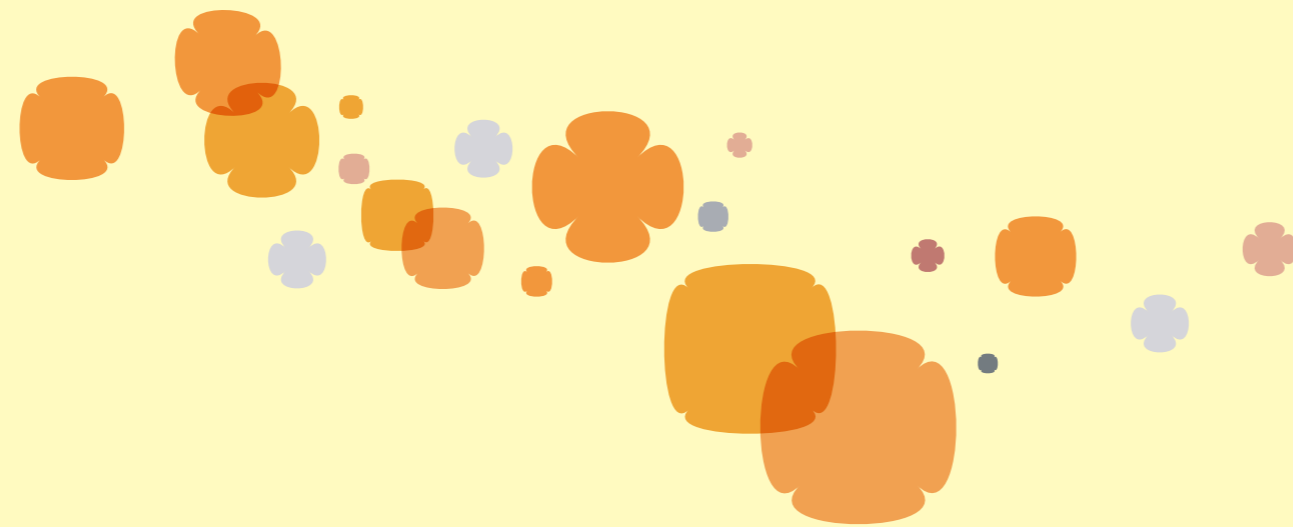
CHAIN REACTION



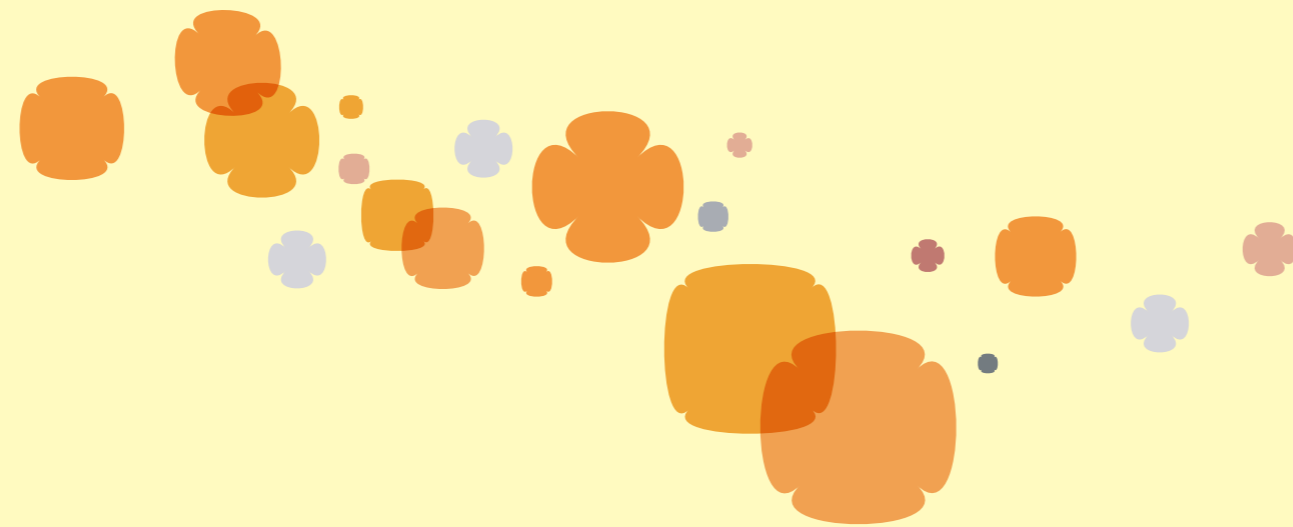
CHAIN REACTION

Rapid fire ideas, then build off of those ideas.





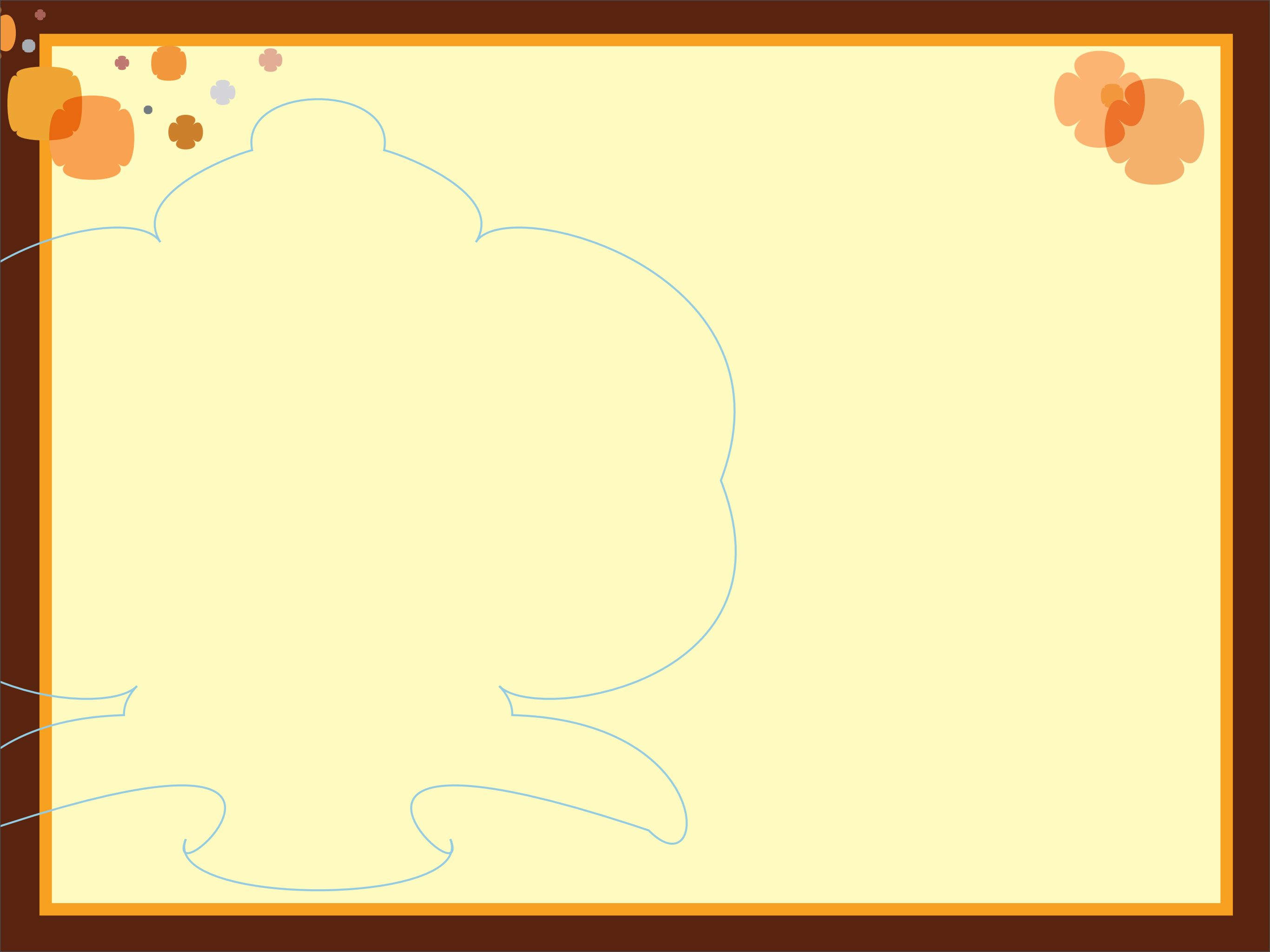
START FROM SCRATCH



START FROM SCRATCH

Don't be afraid to start over.

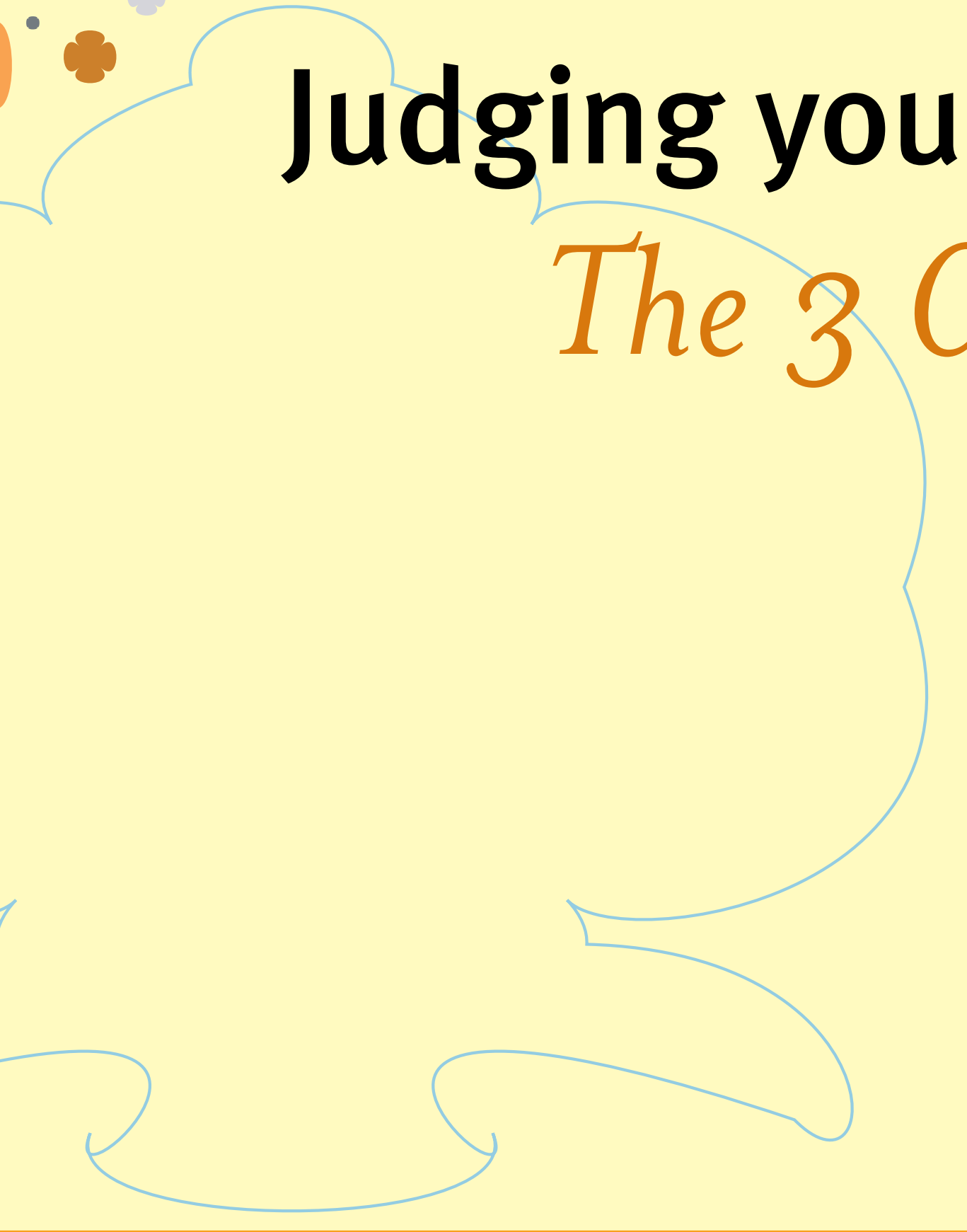
Don't be afraid to start over.

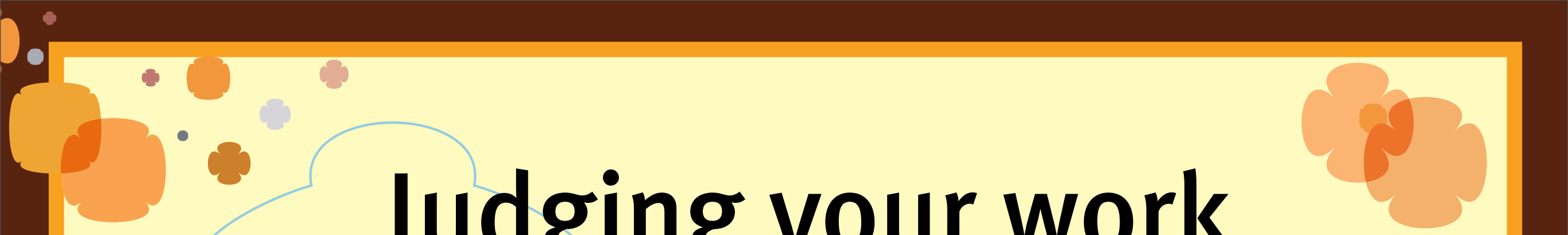




Judging your work

The 3 C's

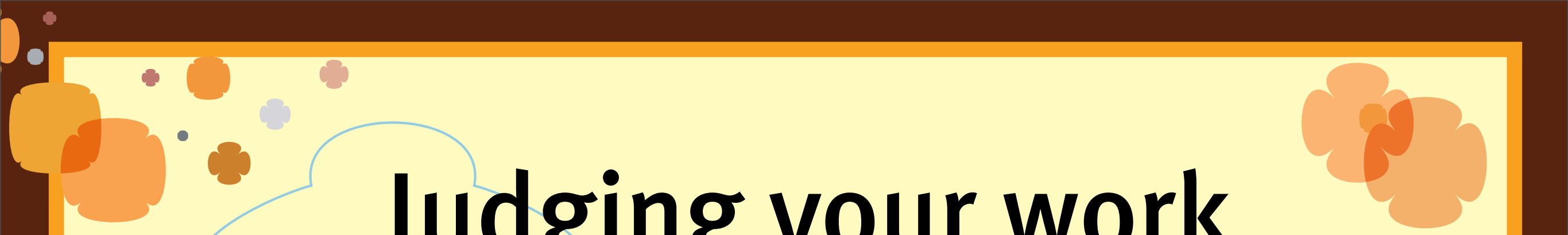




Judging your work

The 3 C's

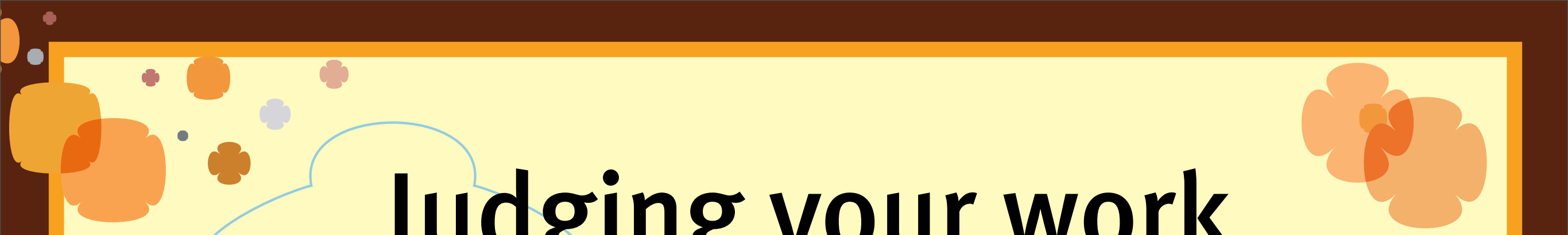
- **CONCEPT**
- 



Judging your work

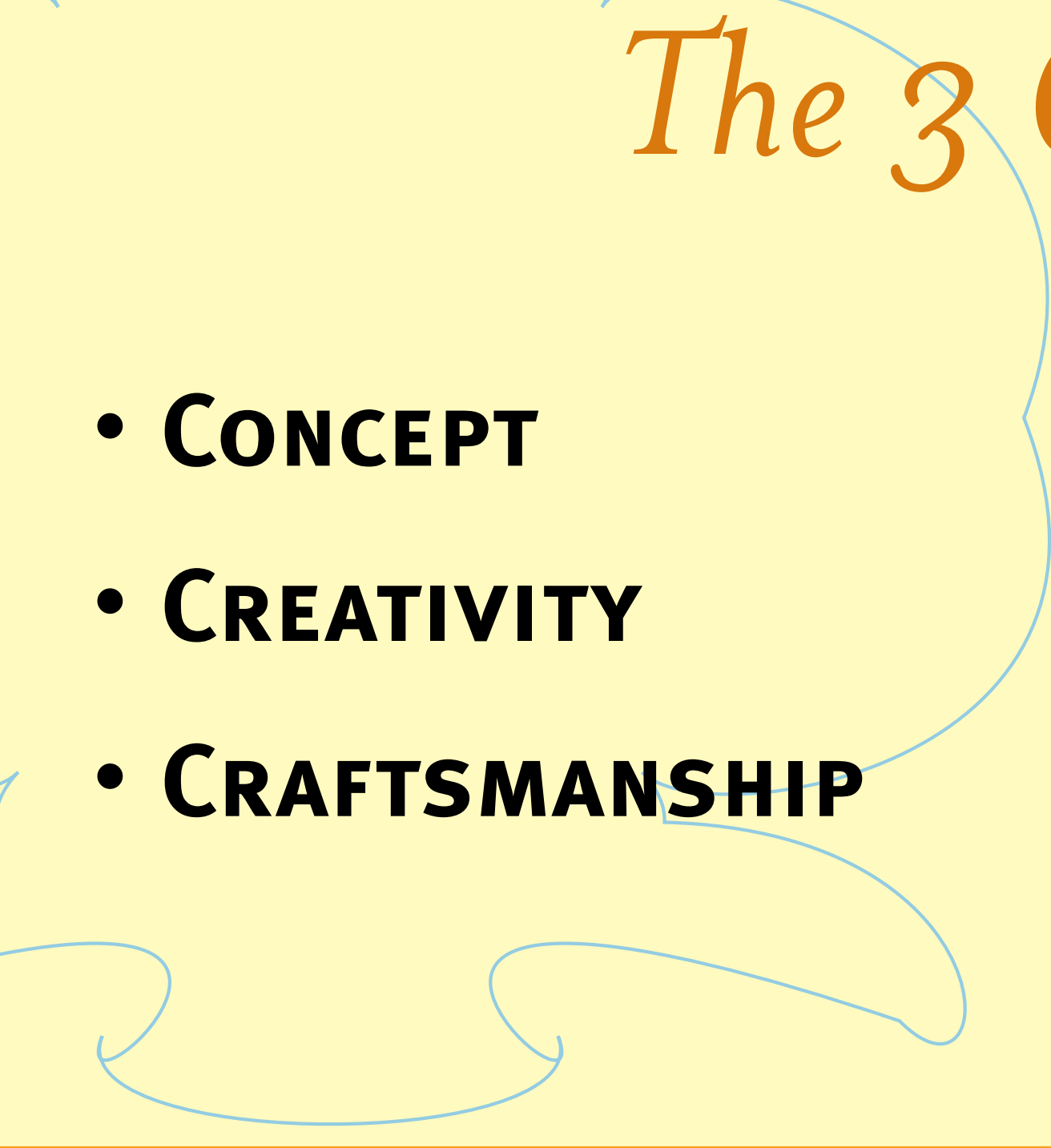
The 3 C's

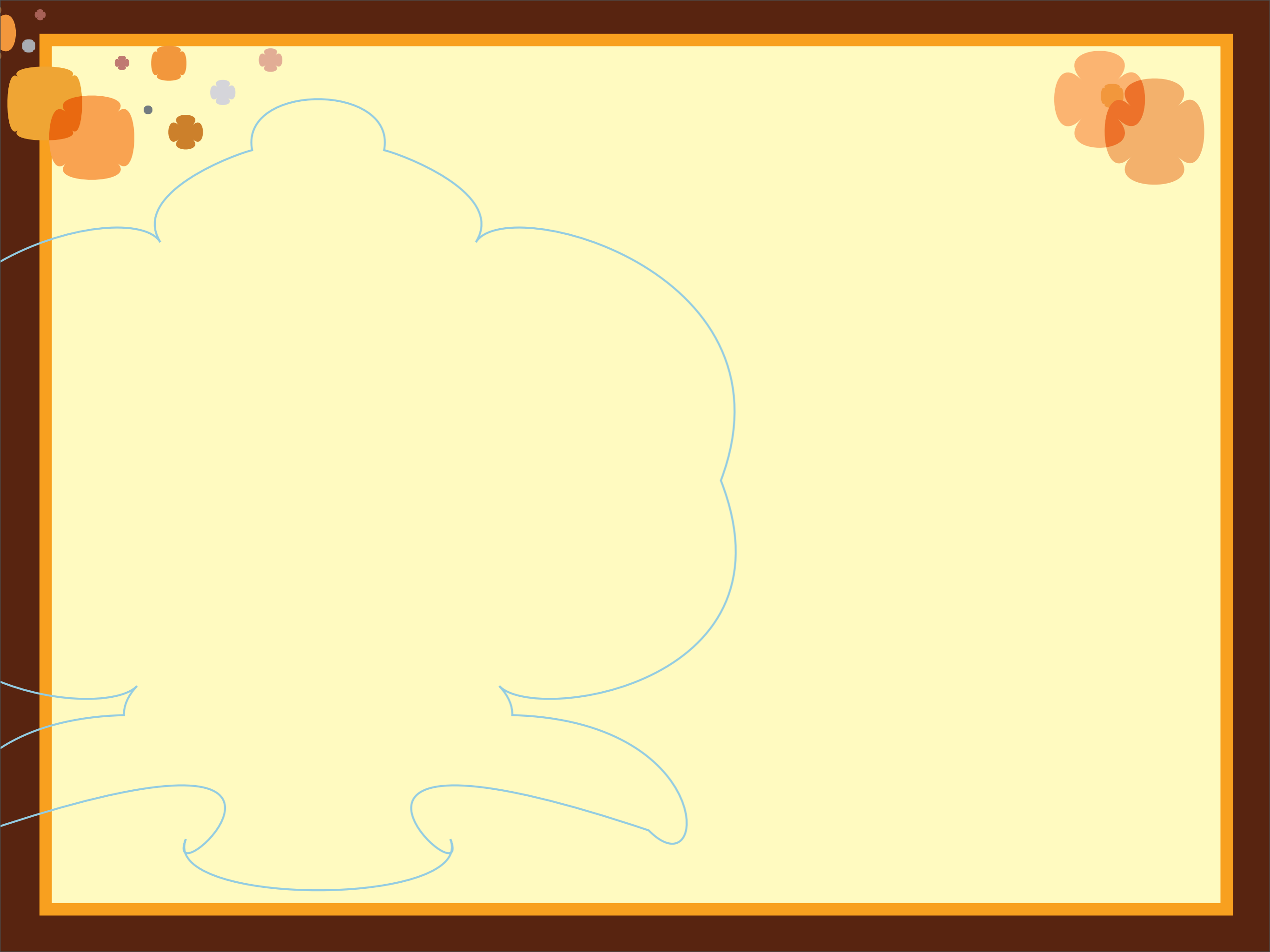
- **CONCEPT**
 - **CREATIVITY**
- 



Judging your work

The 3 C's

- **CONCEPT**
 - **CREATIVITY**
 - **CRAFTSMANSHIP**
- 





Q and A

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