Sorting Materials by What We See

What is it made of?





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Today we will...

WE ARE LEARNING TO

- Describe materials by what we see and feel
- Sort objects by their properties
- Plan and test our own sorting rule

SUCCESS LOOKS LIKE

- ✓ I can name color, texture, hardness, flexibility
- ✓ I can sort by one property at a time



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How Scientists Sort

1. Look closely and touch safely
2. Pick one property to test
3. Sort into groups that match
4. Share what pattern you found



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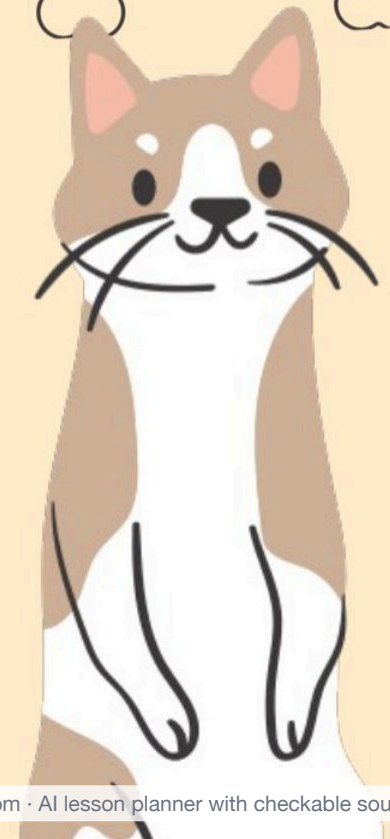
Object or Material?

Object

- The thing you hold
- A spoon, cup, block

Material

- What it is made from
- Wood, metal, plastic, glass



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How Should We Sort First?

Which property would you test first?

- **A** By color
- **B** By feel: hard, soft, rough
- **C** By bend: bends or stays stiff
- **D** By look: shiny or dull

Vote with your hands, then explain why.



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What Is It Made Of?



▶ 0:00 – 4:30

- Watch what each object is made from
- Listen for wood, metal, plastic, glass



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Words That Describe

1. Color: red, blue, yellow, and more
2. Texture: how it feels, smooth or rough
3. Hardness: does it dent or scratch?
4. Flexibility: can you bend it safely?



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See the Properties



▶ 0:00 – 5:00

- Watch how they test hardness and flexibility
- Think: what group would you put it in?



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Your task

Sort your tray of objects three different ways.

1. Pick one property, like hardness
2. Sort and draw your groups
3. Try again with a new property
4. Be ready to share patterns

20 min

Groups of 4



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DID YOU KNOW?

Glass starts as sand!

Sand is heated very hot until it melts into smooth glass.

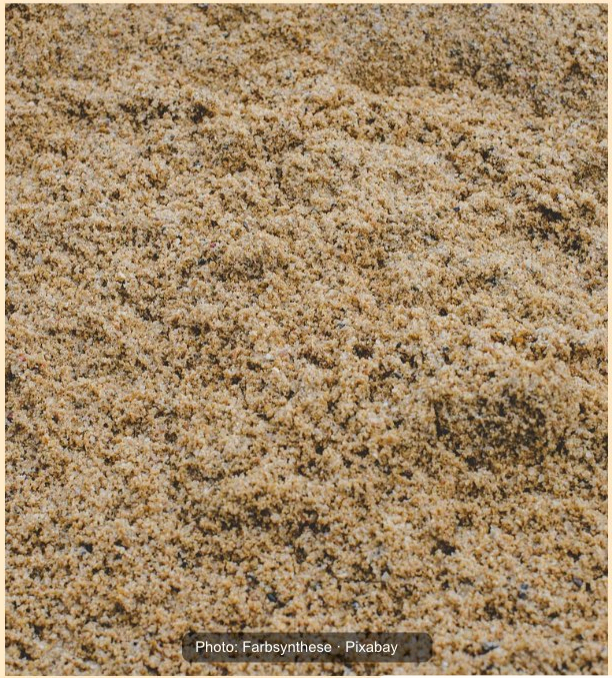


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What could this be?

Looks like glass, but you can squeeze it. What is it?



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Exit ticket

1

I sorted by...

2

One pattern I found was...

3

One question I still have...



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