Properties of Matter

All things are made up of matter. All the objects around you, like a chair, a tree, or a pet, are matter. Matter can be described by how it looks, feels, and more!

Circle one word to describe each piece of matter.











Matter has different properties—for example, paper is thin, while a tree trunk is thick. Because of these differences, different types of matter are useful for different needs.

Read the text aloud. Then circle the object that each MotMot needs and explain why you chose that object.

Enid needs a flexible material to wrap her trophy in.







Why?

Frank needs a strong material to make a leash for his pet alligator.

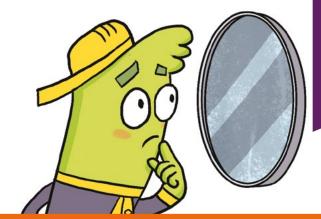




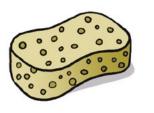


Why?

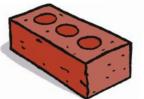
Brian needs a soft material to clean this mirror with.



Properties of Matter







Why?



Dimitri needs a heavy material to hold open this door.

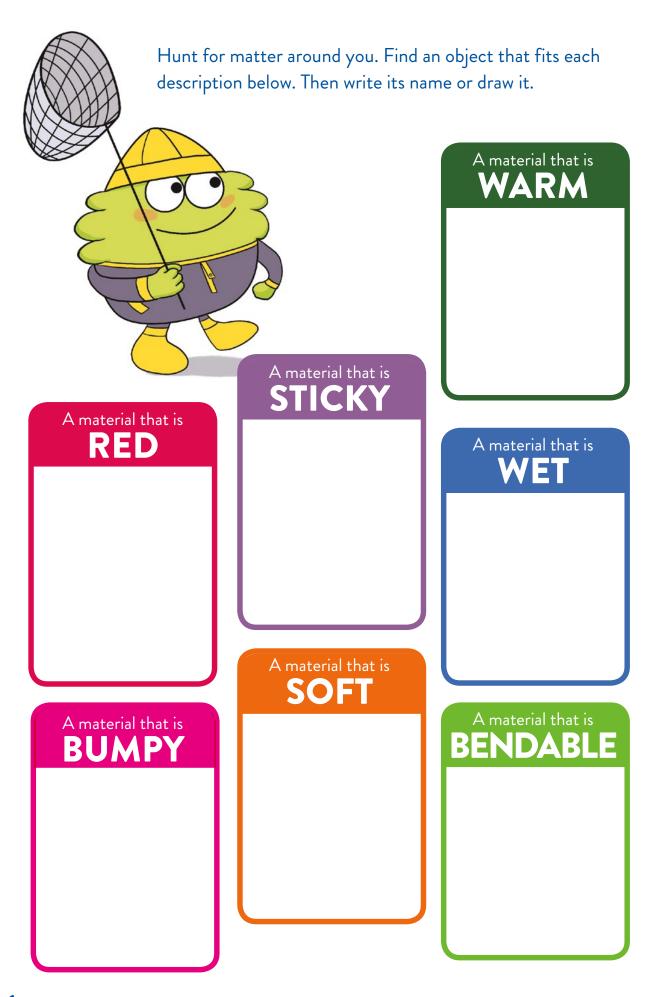






Why?

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Choose something of your own to observe and draw it. Then circle all the descriptions that apply or fill in your own.

My object is a ______.

TEXTURE

Properties of Matter

- Smooth
- Bumpy
- Hairy

Other: _____

SIZE

COLOR

• Small

Other: __

- Medium
- Large

FLEXIBILITY

SHAPE

- Flexible
- Rigid

Other:

Mixed

HARDNESS

- Soft
- Hard
- Mixed

I notice that my object is also:

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LET'S MAKE: TOWERING TOWER







2 or more cans





10 or more plastic cups



Aluminum foil

LET'S TINKER!

Observe each of your materials.

- What color is it?
- Is it round?
- Pointed?
- Slippery?

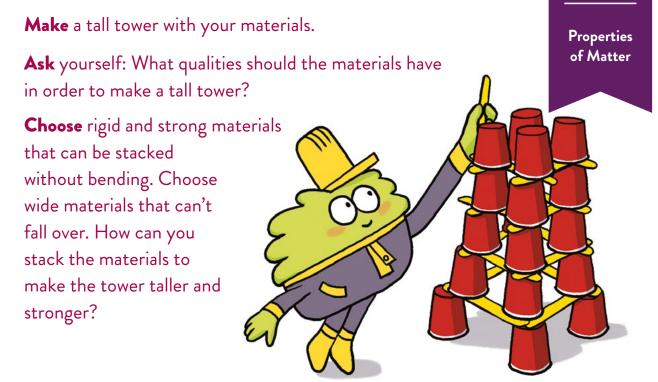
Describe them all.

• How are they the same?

• How are they different?

Group materials that have something in common.





LET'S ENGINEER!

Enid and Callie are playing hide-and-seek with the other MotMots. Enid wants to send a message to Callie, who is hiding behind the pantry door.

How can Enid send Callie a message?

Think about what shape of material can be passed under a door.

- What other properties should the material have?
- How can the materials be combined to solve the problem?

Write your own secret message. You can add stickers from page 129.

Test your ideas by trying to send a note under a door.

