



Property Comparison

Week 3 — Friday | Surface Properties



Reviewing Surface Properties

This week you learned about **four surface properties**: hard, soft, rough, and smooth. Materials can have more than one property at a time. A metal spoon is hard and smooth. Sandpaper is hard and rough. A sponge is soft and rough. Silk is soft and smooth. Understanding surface properties helps us choose the right materials for different jobs.



Review Questions

1. Name the four surface properties we learned about this week.

2. Give an example of something that is hard and rough.

3. Why do we want rough soles on our shoes?

4. Think about your favorite clothing. What surface properties does it have and why are those good for that item?

True or False

A material can only have one surface property at a time.	<i>True / False</i>
A rock is hard and rough.	<i>True / False</i>
A pillow is soft and smooth.	<i>True / False</i>
Rough surfaces are better for gripping than smooth surfaces.	<i>True / False</i>
A mirror is hard and smooth.	<i>True / False</i>
Sandpaper is soft and rough.	<i>True / False</i>

Match the Property

Object	Match
Silky scarf	a. Hard & Rough
Tree bark	b. Soft & Smooth
Glass window	c. Hard & Smooth
Velvet pillow	d. Soft & Rough
Corn cob	e. Hard & Bumpy

Design a Better Product

Think of something you use every day. Could it be better with different surface properties?

My product: _____

Current surface properties:

How I would improve it and why:

Draw your improved product:

Science Journal

This week I learned about:

My favorite activity was:

Something I still wonder about:

★ Week 3 Review

Define each property in your own words:

Hard: _____

Soft: _____

Rough: _____

Smooth: _____