



Hard, Soft, Rough, Smooth

Week 3 — Monday | Surface Properties



Reading Time

Every material has a **surface** — the outside part that you can see and touch. Surfaces have different properties that describe how they feel and look. Four important surface properties are **hard**, **soft**, **rough**, and **smooth**.

Something that is **hard** does not change shape easily when you press on it. A rock is hard. Something that is **soft** changes shape easily when you press on it. A pillow is soft.

Something that is **rough** has a bumpy, uneven surface. Tree bark is rough. Something that is **smooth** has an even surface with no bumps. A mirror is smooth.

One material can have more than one property. A metal spoon is hard and smooth. A piece of sandpaper is hard and rough. A sponge is soft and rough. A piece of silk is soft and smooth.



Reading Questions

1. What is a surface?

2. What is the difference between hard and soft?

3. What is the difference between rough and smooth?

4. Can one material have more than one property? Explain with an example from the reading.

Vocabulary Grid

Write a definition or draw a picture for each word.

Surface	
Hard	
Soft	
Rough	
Smooth	
Property	

Property Combination Chart

Think of one object for each combination of properties.

Combination	Example Object	Why?
Hard & Smooth		
Hard & Rough		
Soft & Smooth		
Soft & Rough		

Around the House Hunt

Find 3 objects for each property and write them down.

Hard objects:

1. _____ 2. _____ 3. _____

Soft objects:

1. _____ 2. _____ 3. _____

Rough objects:

1. _____ 2. _____ 3. _____

Smooth objects:

1. _____ 2. _____ 3. _____

Sort the Objects

Sort these: rock, pillow, sandpaper, mirror, tree bark, silk, brick, cotton ball, concrete wall, glass

Hard	Soft
1. _____	1. _____
2. _____	2. _____
3. _____	3. _____
4. _____	4. _____

Rough	Smooth
1. _____	1. _____
2. _____	2. _____
3. _____	3. _____
4. _____	4. _____