Day 61: Properties of Solids

Observing solids

Solid	Color	Texture	Hard or soft
Wooden block	Tan	Smooth	Hard
Cotton ball	White	Fluffy	Soft
Sandpaper	Brown	Rough	Hard
Sponge	Yellow	Bumpy	Soft

1. Which solid in the table has a rough texture?
Answer 1

2. Name the two solids in the table that are soft.
Answer 2

3. Choose one solid from the table. Explain how you could test whether it keeps its own shape.
Answer 3

Day 62: Properties of Liquids

Observing liquids

Liquid	Color	Clear or cloudy	Thick or thin
Water	No color	Clear	Thin
Honey	Gold	Clear	Thick
Milk	White	Cloudy	Thin
Pancake syrup	Brown	Clear	Thick

1. Which liquid in the table is cloudy?
Answer 1

2. Which two liquids are thick?
Answer 2

3. Explain how a liquid is different from a solid. Use one liquid and one solid as examples.
Answer 3

Day 63: A Fair Test: Which Liquid Flows Fastest?

Sample results

Liquid	Seconds to finish
Water	2
Cooking oil	5
Syrup	16

1. In the sample results, which liquid flowed fastest?
Answer 1

2. How many more seconds did the syrup take than the water?
Answer 2

3. Use the sample results to explain how thickness affects how fast a liquid flows.
Answer 3

Hands-on task: Race liquids down a ramp

Liquid	Seconds to finish
Water	____
Cooking oil	____
Syrup	____

The fastest liquid was:
Investigation notes and observed evidence

Day 64: Sort Materials by Their Properties

Sample sorting chart

Item	What we observed	Group
Button	Round, keeps its shape	Solid
Juice	Flows when tipped	Liquid
Crayon	Waxy, keeps its shape	Solid
Shampoo	Thick, flows slowly	Liquid

1. Which items in the sample chart are liquids?
Answer 1

2. What did the scientist observe about the button?
Answer 2

3. Shampoo comes in a hard plastic bottle. Explain why the shampoo is sorted as a liquid even though the bottle is a solid.
Answer 3

Hands-on task: Sort a mystery bag

Item	Color	Texture or flow	Solid or liquid
_____	____	_____	____
_____	____	_____	____
_____	____	_____	____
_____	____	_____	____
_____	____	_____	____
_____	____	_____	____

One property that helped me sort was:

Day 64

Investigation notes and observed evidence

Day 65: Independent Check: Solids and Liquids

A second liquid race

Liquid	Seconds to finish
Dish soap	9
Water	2
Ketchup	30

Answer on your own. An adult may read the questions aloud but should not give the answers.

1. Which liquid in the race was slowest?
Answer 1

2. Name one property you can use to describe a solid.
Answer 2

3. Sam says the race was fair even though he used a steeper ramp for the ketchup. Explain why he is wrong.
Answer 3

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