

Matter Watch

Observe properties and explain changes in matter.

S2P1 "Obtain, evaluate, and communicate information about the properties of matter and changes that occur in objects."

NAME _____

DATE _____

1 READ AND MARK _____ Read it twice

YOUR JOB Underline words that tell a property. Circle words that tell a change, so you can use observations as evidence.

Ice and Clay Observations

- ① Ms. Lee put a small ice cube in a cup on the table. At first, the ice was hard, cold, and shaped like a cube. She watched it for twenty minutes. A puddle of liquid water formed in the cup.
- ② Next, Ms. Lee rolled a lump of clay into a long snake shape. The clay stayed solid, but its shape changed. She could roll it back into a ball. The ice change could not be reversed by rolling or squeezing.
- ③ These observations give information about matter. Hardness, temperature, shape, and state are properties that can be observed. Melting changes solid ice into liquid water. Changing clay's shape does not make a new material. Scientists describe what they observe before sharing an idea.

2 ANSWER WITH EVIDENCE _____ Use the passage

1 What were two properties of the ice at the start of the observation?

2 What observation shows that the ice changed?

3 A student says that the clay and ice changed in the same way. Do you agree? Use one detail from the text to explain.

3 YOUR TURN _____ Your own words

Choose a safe classroom object, such as paper or clay. Record one property before a safe change, then record what changed and whether it is still the same material.

STEP	WHAT I OBSERVE	SAME MATERIAL?

PART 1 • READ AND MARK

Underline words that tell a property. Circle words that tell a change, so you can use observations as evidence. Accept any marking that follows this job and points at the right text.

PART 2 • ANSWERS

#	QUESTION	ANSWER
1	What were two properties of the ice at the start of the observation?	The ice was hard, cold, and shaped like a cube. Any two are correct.
2	What observation shows that the ice changed?	A puddle of liquid water formed in the cup.
3	A student says that the clay and ice changed in the same way. Do you agree? Use one detail from the text to explain.	No. The clay stayed solid and could be rolled back into a ball, but the ice melted into liquid water.

PART 3 • YOUR TURN (SAMPLE ANSWER)

STEP	WHAT I OBSERVE	SAME MATERIAL?
Before folding	The paper is flat and smooth.	Yes, it is paper.
After folding	The paper has a crease and is bent.	Yes, it is still paper.

Accept accurate observations of a safe object and a safe physical change. The student should identify a property, describe evidence of a change, and correctly state whether the material stayed the same.