

Puddle Model

Use a model to show a water change.

2.1.e “developing and using models use models to demonstrate simple phenomena and natural processes”

NAME _____

DATE _____

1 READ AND MARK _____ Read it twice

YOUR JOB Underline each part of the model. Circle the words that tell what each part represents or shows.

A Model for a Shrinking Puddle

- ① A class watched a rain puddle near the playground. By afternoon, the puddle was smaller. The water did not disappear. Some water changed into water vapor, a gas that mixed with the air.
- ② To show this change, the class made a model with a blue paper circle and many tiny blue dots above it. The circle stood for the puddle. The dots stood for water vapor in the air.
- ③ They added arrows from the circle to the dots. The arrows showed water moving up as it became vapor. The model did not look exactly like a puddle, but it helped the class explain why the puddle became smaller.

2 ANSWER WITH EVIDENCE Use the passage

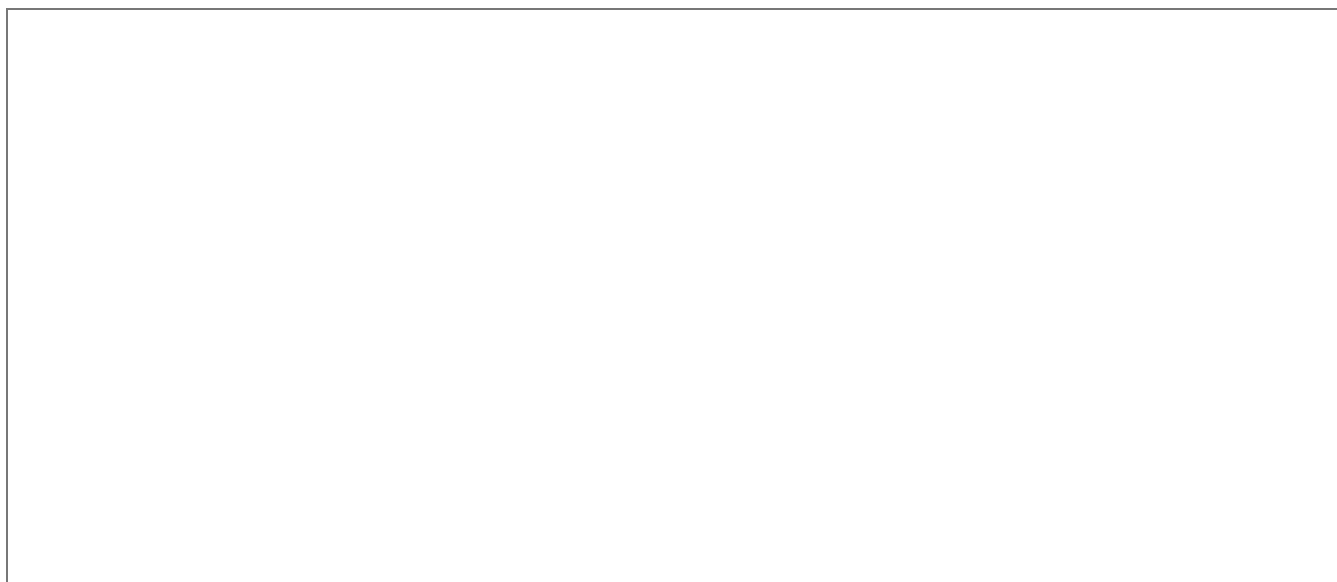
1 What did the blue paper circle represent in the model?

2 What did the tiny blue dots represent?

3 What did the arrows help the class show?

3 YOUR TURN Your own words

Draw a model of an ice cube melting into liquid water. Label the ice and the water, add an arrow, then write one sentence telling what the arrow shows.



PART 1 • READ AND MARK

Underline each part of the model. Circle the words that tell what each part represents or shows. Accept any marking that follows this job and points at the right text.

PART 2 • ANSWERS

#	QUESTION	ANSWER
1	What did the blue paper circle represent in the model?	The blue paper circle represented the puddle.
2	What did the tiny blue dots represent?	The tiny blue dots represented water vapor in the air.
3	What did the arrows help the class show?	The arrows showed water moving up from the puddle as it became water vapor.

PART 3 • YOUR TURN (SAMPLE ANSWER)

Drawing: An ice cube labeled "solid ice" has an arrow pointing to a small puddle labeled "liquid water." The arrow shows the ice changing into liquid water.

Accept models with clearly labeled ice and liquid water and an arrow showing the change from solid ice to liquid water. The sentence should explain what the arrow shows.