

Property Test Lab

Measure, test, and record properties of everyday objects.

3.6.A "measure, test, and record physical properties of matter, including temperature, mass, magnetism, and the ability to sink or float in water;"

NAME _____

DATE _____

1 READ AND MARK _____ Read it twice

YOUR JOB Underline the words that name tools used to measure or test. Circle each result that the class recorded.

Three Objects, Four Properties

- ① Ms. Lee's class investigated three objects: a steel bolt, a pine block, and a glass marble. First, they used a balance to measure each object's mass in grams. Next, they held a bar magnet near each object without letting it touch. They recorded whether the magnet pulled the object. A property can be measured or tested and written as data.
- ② For the water test, the class filled a tub with room-temperature water. They gently placed one object at a time on the water. An object that stayed on top floated. An object that moved to the bottom sank. The class kept the same water and tested each object once. Their results are in the data table.

OBJECT TEST DATA

Object	Mass	Magnetic?	Water Result
Steel bolt	24 g	Yes	Sank
Pine block	8 g	No	Floated
Glass marble	15 g	No	Sank

- ③ To measure temperature, Ms. Lee placed a thermometer in the water before the tests. The thermometer showed 22 degrees Celsius. Temperature tells how warm or cool something is. The class recorded this number because water temperature can affect a test. Careful scientists use tools, test one property at a time, and write clear results.

2 ANSWER WITH EVIDENCE _____ Use the passage

1 Which object had the greatest mass? What was its mass?

2 Which object was magnetic? How do you know?

3 Which object had a mass of 15 g? Did it sink or float?

4 What temperature did the thermometer show? Why did the class record it?

3 YOUR TURN _____ Your own words

Test two safe classroom objects. Use a balance, magnet, and water tub, then record the water temperature and each object's results in the table.

OBJECT	WATER TEMPERATURE	MASS	MAGNETIC?	SINK OR FLOAT?

PART 1 • READ AND MARK

Underline the words that name tools used to measure or test. Circle each result that the class recorded. Accept any marking that follows this job and points at the right text.

PART 2 • ANSWERS

#	QUESTION	ANSWER
1	Which object had the greatest mass? What was its mass?	The steel bolt had the greatest mass, 24 g.
2	Which object was magnetic? How do you know?	The steel bolt was magnetic. The table says "Yes" in the Magnetic? column.
3	Which object had a mass of 15 g? Did it sink or float?	The glass marble had a mass of 15 g. It sank.
4	What temperature did the thermometer show? Why did the class record it?	The thermometer showed 22 degrees Celsius. The class recorded it because water temperature can affect a test.

PART 3 • YOUR TURN (SAMPLE ANSWER)

OBJECT	WATER TEMPERATURE	MASS	MAGNETIC?	SINK OR FLOAT?
Plastic cube	22 degrees Celsius	6 g	No	Floated
Steel washer	22 degrees Celsius	12 g	Yes	Sank

Accept equivalent wording for sink, float, magnetic, and not magnetic. Student data will vary by the objects and measurements used, but each row should include all five recorded properties.