

NAME

DATE

MARK THE CORRECT ANSWER WITH AN X.

1 What is mass?

- a) the amount of space in an object
- b) the amount of matter in an object
- c) the relationship between the space and the matter in an object

2 What do we use to measure volume?

- a) digital scales
- b) a measuring cylinder
- c) scales and weights

3 To find the density of an object, what do we need to know?

- a) the object's mass
- b) the object's mass and volume
- c) the object's mass and weight

4 Why does a cork float in water?

- a) because the cork weighs less than water
- b) because the cork has less volume than water
- c) because the cork's density is lower than that of water

5 Gravity is...

- a) a force that acts at a distance.
- b) a contact force.
- c) an effect of density.

6 When a force is applied to an elastic object, the object...

- a) does not change shape.
- b) changes shape and then returns to its original shape.
- c) changes shape but does not return to its original shape.

7 Speed is...

- a) how fast an object moves.
- b) the movement of an object.
- c) the diameter of an object.

8 What is an airship?

- a) an aircraft that has blades
- b) an aircraft filled with hydrogen or helium that has an engine
- c) a balloon filled with hot air

9 What does an aeroplane have to overcome in order to fly?

- a) density
- b) lift
- c) its own weight

10 What is an aerodynamic shape?

- a) a shape that increases resistance to the wind
- b) a shape that increases resistance to the air
- c) a shape that reduces the amount of air friction over a moving object