Name _____

Why is Measuring Mass Before and After a Reaction Important?

Multiple Choice Questions

1. Why do scientists measure mass before and after a reaction?
   A. To make the experiment look cool
   B. To check if new matter was created
   C. To make sure the mass stays the same
   D. To color the materials

2. What does the law of conservation of matter say?
   A. Matter can change into gold
   B. Matter can be created and destroyed
   C. Matter disappears during reactions
   D. Matter cannot be created or destroyed

3. What tool helps scientists make sure nothing escapes during an experiment?
   A. Microscope
   B. Ruler
   C. Sealed container
   D. Thermometer

4. What might happen if gas escapes during an experiment?
   A. The mass might look smaller
   B. The color will change
   C. The lab will disappear
   D. The experiment stops

5. What does “mass” mean in science?
   A. How fast something moves
   B. The amount of matter something has
   C. How much space something takes
   D. How bright something is