

Name _____

Why Doesn't The Mass of a Rusted Nail Equal The Original Nail?

Multiple Choice Questions

1. What causes a nail to rust?
 - A. Heat from the sun
 - B. Water and oxygen
 - C. Cold temperatures
 - D. Dirt and dust

2. What is rust made of?
 - A. Iron and oxygen
 - B. Just water
 - C. Just dirt
 - D. Iron and fire

3. Why does the mass of a rusted nail increase?
 - A. It melts in the rain
 - B. It shrinks when it gets cold
 - C. It adds oxygen atoms
 - D. It breaks into pieces

4. What happens during oxidation?
 - A. The nail disappears
 - B. Oxygen leaves the nail
 - C. Oxygen joins with iron
 - D. The nail turns into water

5. What scientific law explains why mass changes?
 - A. Law of Magnetism
 - B. Law of Gravity
 - C. Law of Speed and Time
 - D. Law of Conservation of Matter

