

Name _____



Scientific Scales

Directions: Read each science fact. Convert the measurement to the form requested. Write scientific notation in proper form.

1) A spacecraft traveled 384,400,000 meters.

2) A bacterium is about 0.0000032 meter long.

3) A chemistry sample has a mass of 6.5×10^{-4} gram. (Write in standard form.)

4) A mountain is 8,849 meters tall.

5) A computer chip feature is 2.4×10^{-8} meter wide. (Write in standard form.)

6) A telescope detects an object that is 910,000,000 kilometers away.

7) A water molecule is about 0.000000000275 meter across.

8) A rock sample has a mass of 3.08×10^5 grams. (Write in standard form.)

9) A grain of pollen measures 0.000045 meter across.

10) A laboratory measured a wavelength of 7.2×10^{-7} meter. (Write in standard form.)