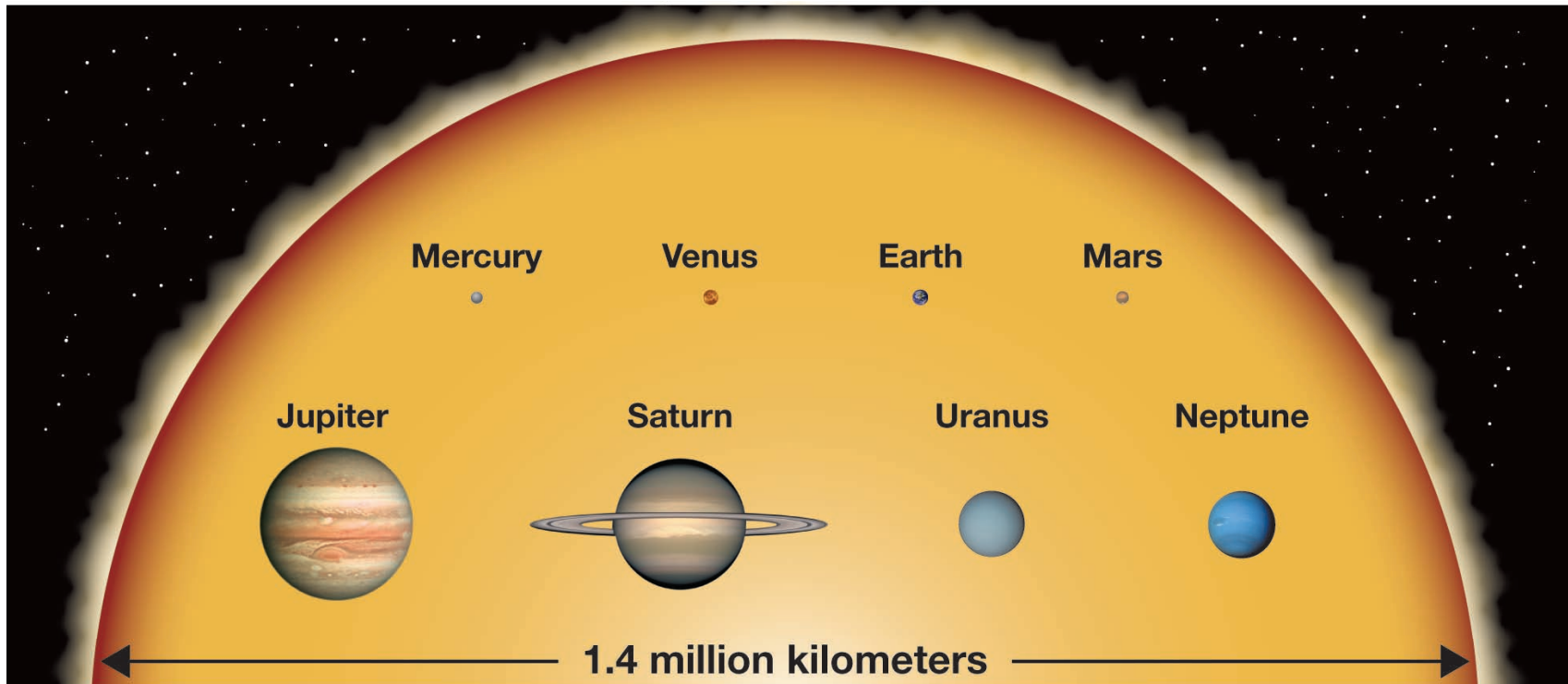


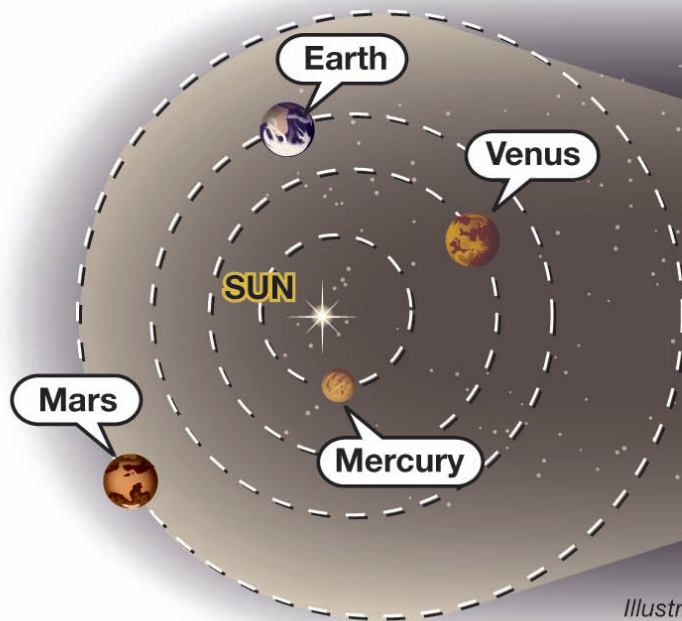
Sizes of the Planets and Sun



Planet photos courtesy of NASA/JPL.

The Solar System

The Inner Solar System



The Outer Solar System

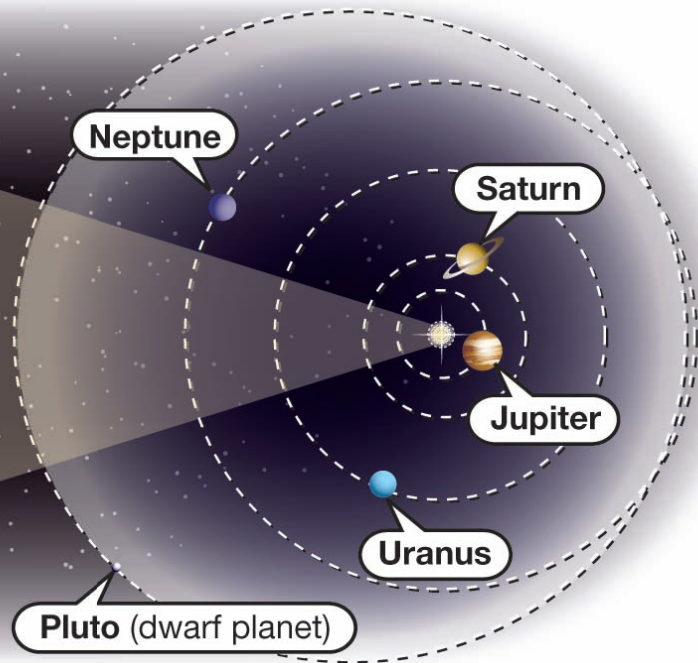
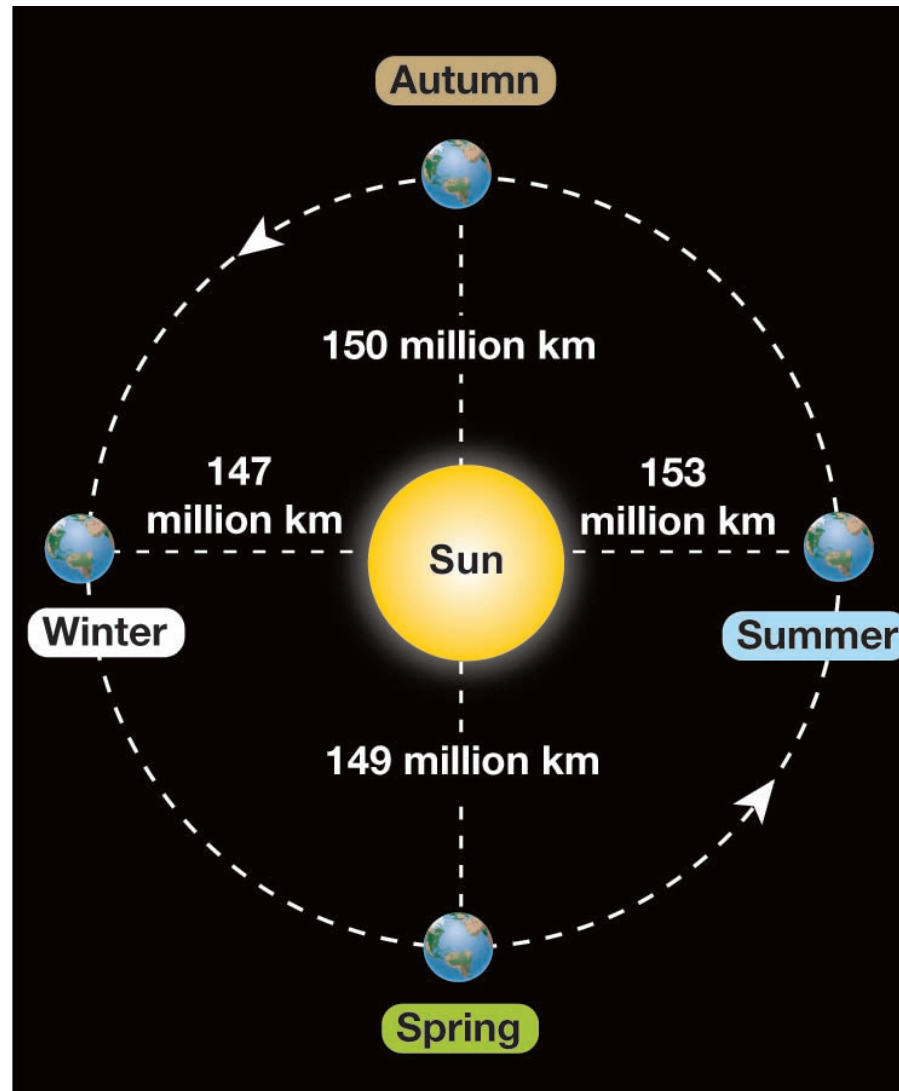
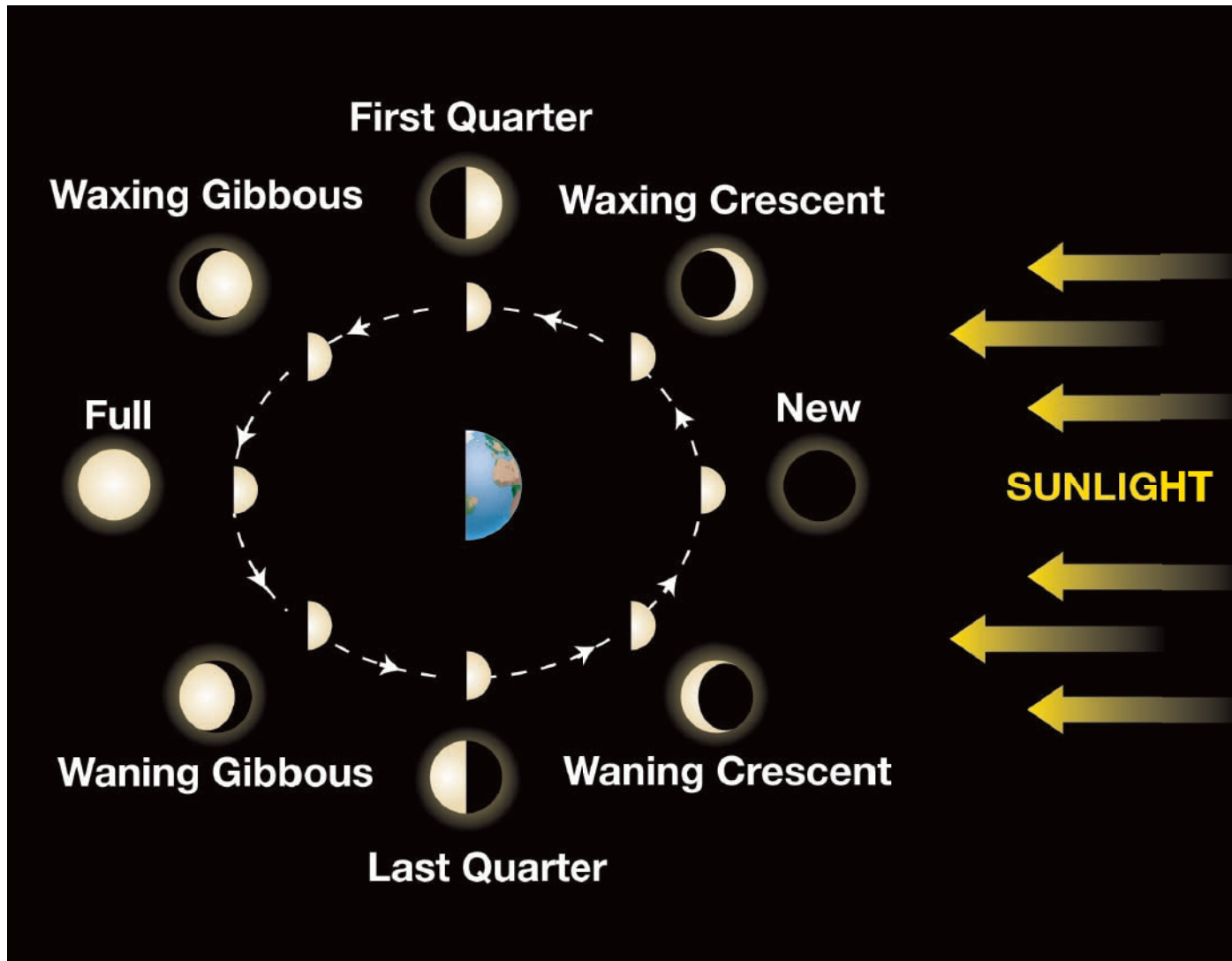


Illustration not to scale.

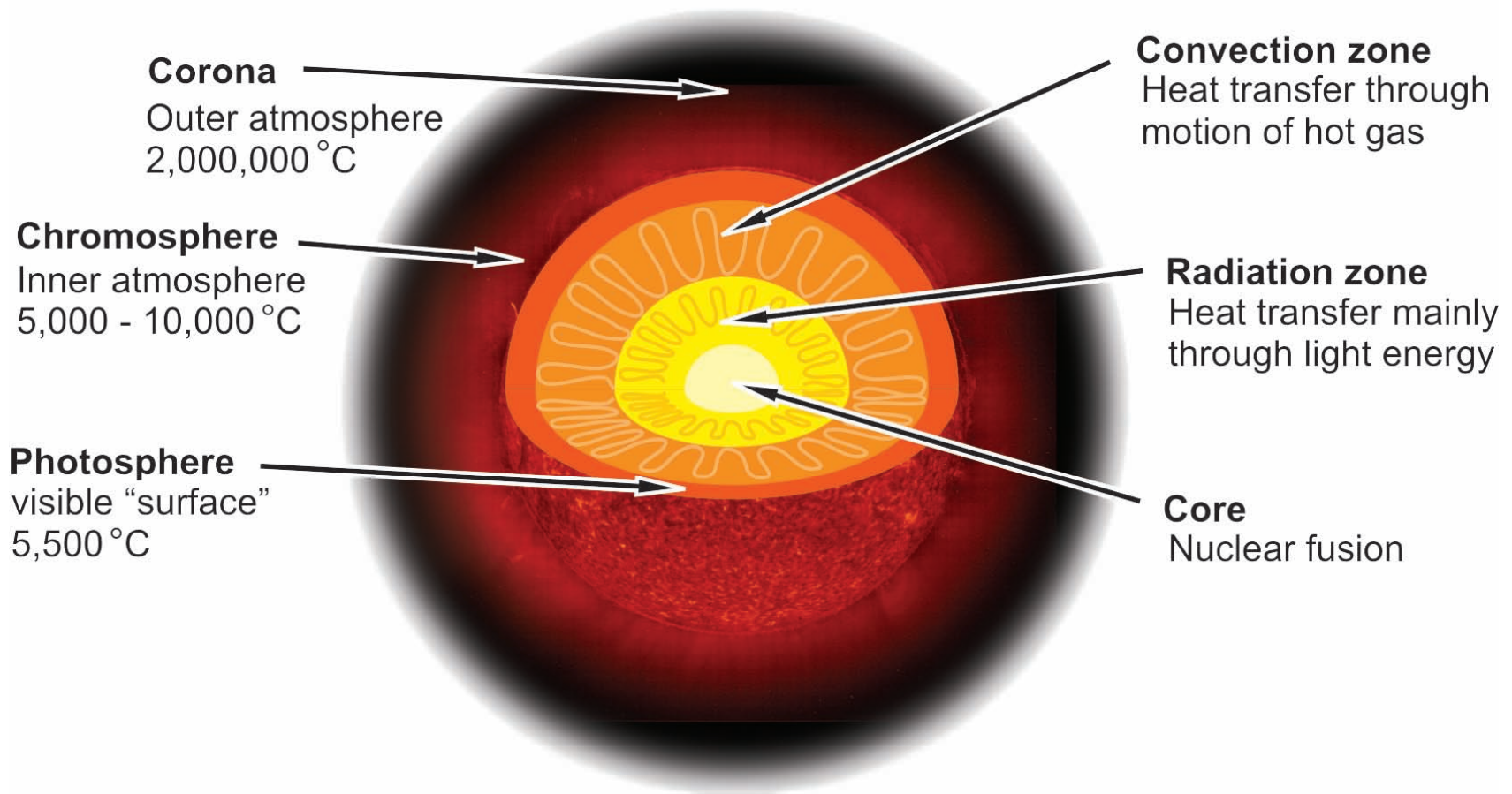
Distance from Earth to the Sun



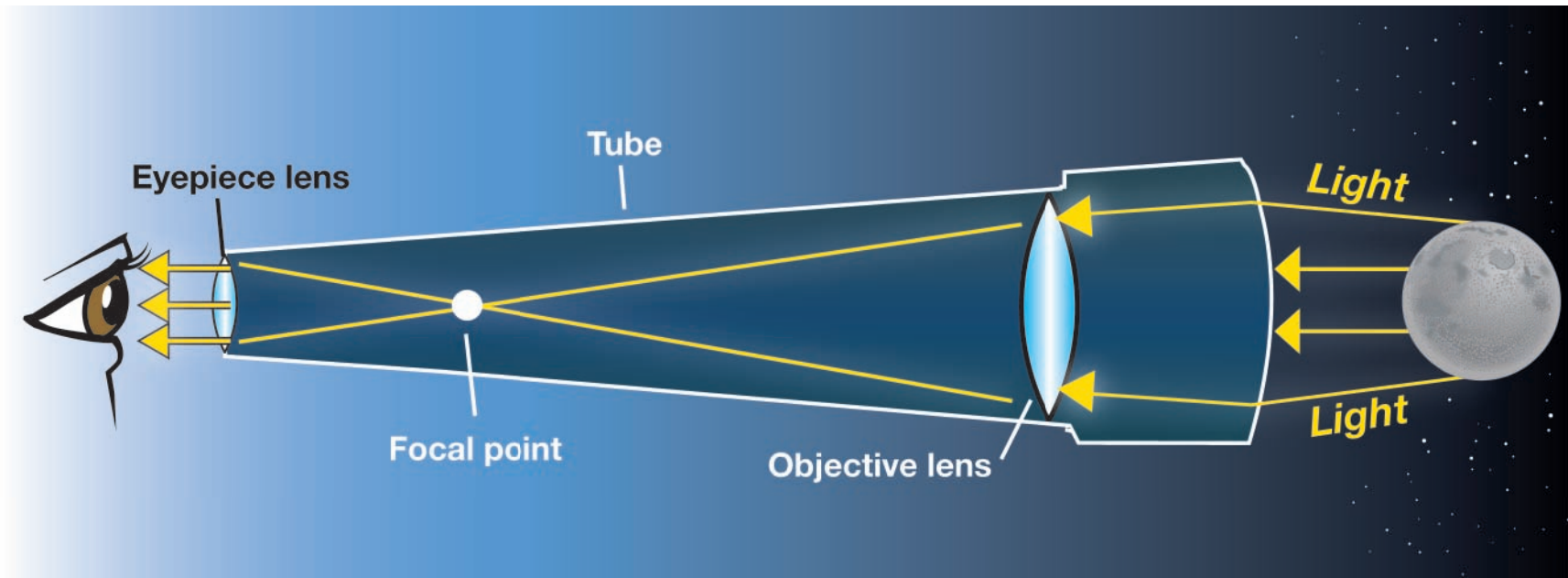
Moon Phases



Anatomy of the Sun



Refracting Telescope



Scientific Notation

1. Move the decimal until the number is between 1 and 10.

Number between 1 and 10

Starting point

1.50,000,000.

8 ← 7 ← 6 ← 5 ← 4 ← 3 ← 2 ← 1 ←

Decimal is moved 8 places to the left.

2. Write the number without the zeros.

1.5

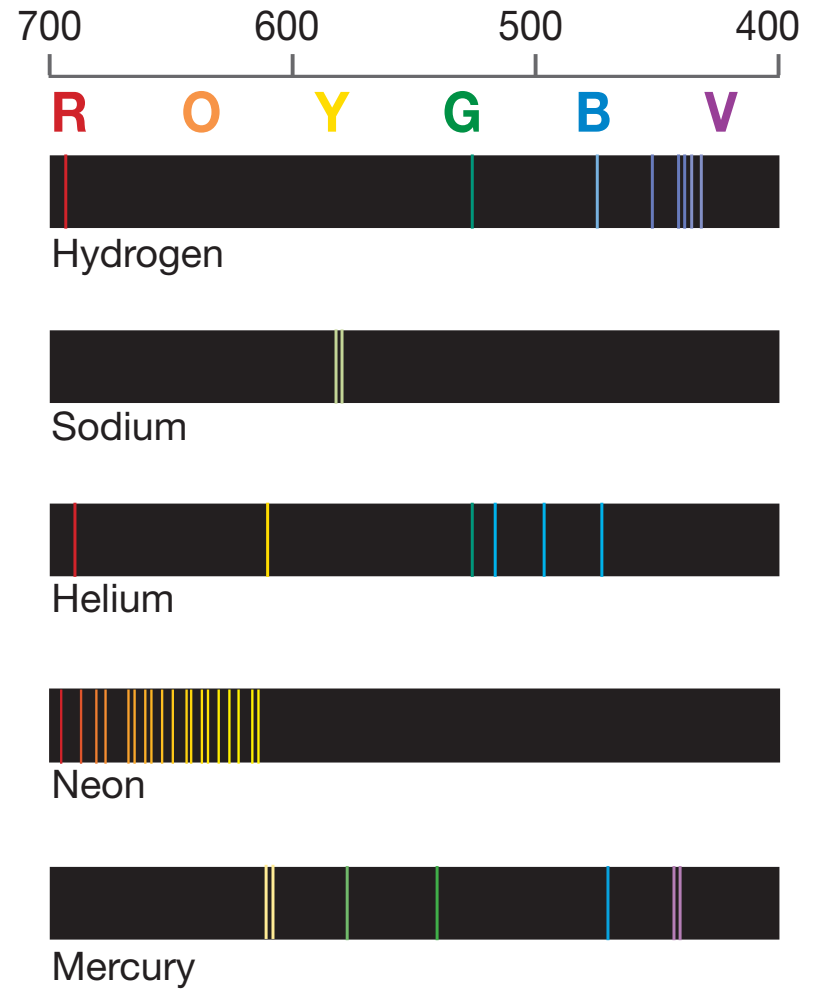
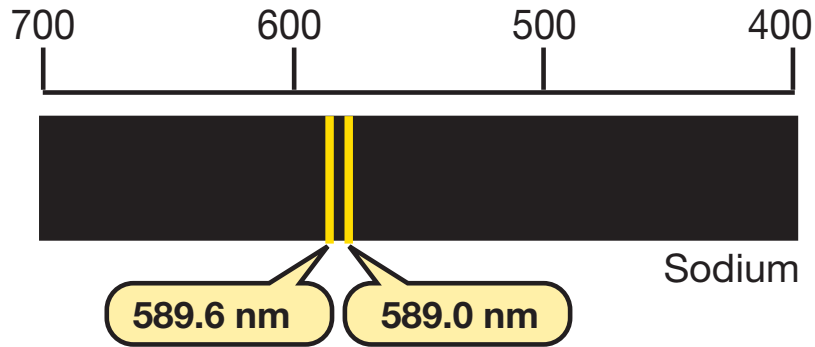
3. Write "× 10" after the number.

1.5 × 10

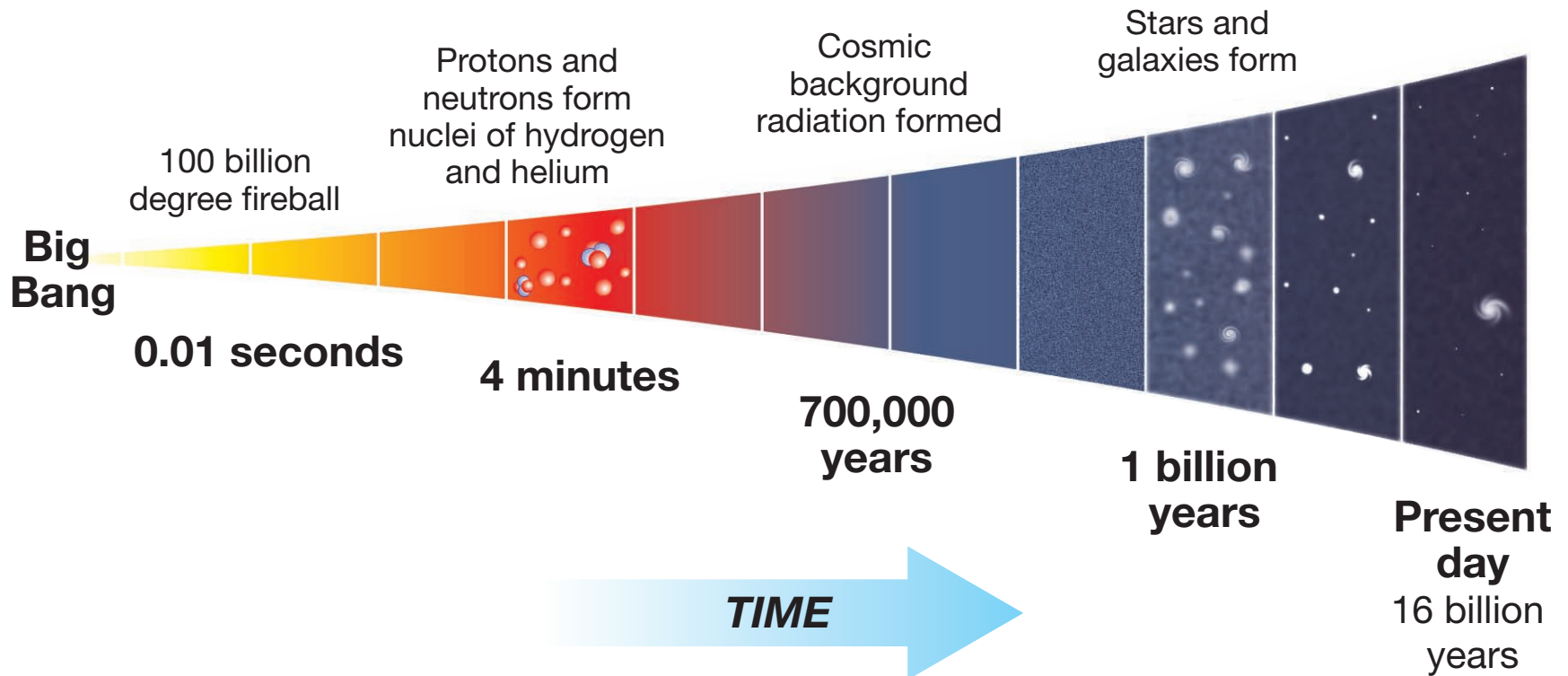
4. Write the number of times you moved the decimal as a superscript after the 10.

1.5 × 10⁸

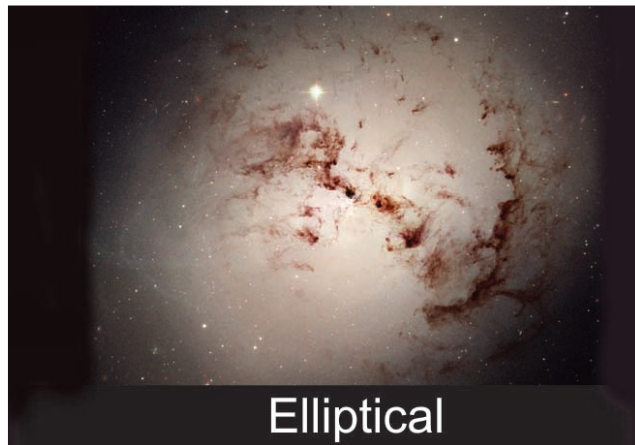
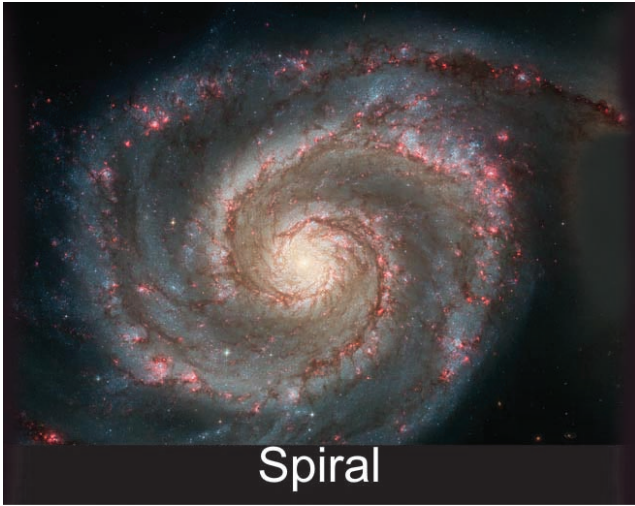
Spectral Lines



Big Bang Timeline



Galaxy Shapes



NASA - Hubble Space Telescope