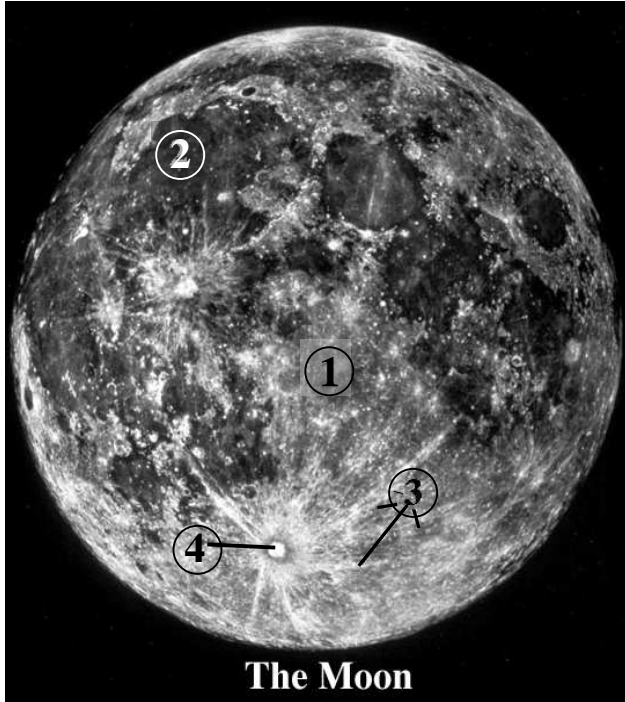


**Chapter 1 Practice Quiz: Earth, Sun, and Seasons – Part 3**

**Corrected Moon Picture for Practice Quiz Part 1 – The picture on Part 1 had the numbers and descriptions mismatched for 1 and 2. They are properly matched below.**

**III. Moon Features.** Look at the features numbered on the moon image. The numbers label the following features: a **mare** (singular for maria), a **highland** region, a **crater**, and **rays**. Identify each number then define each feature in the space provided.



**The Moon**

1. (Light area) \_\_\_\_\_ - \_\_\_\_\_

\_\_\_\_\_

2. (Dark area) \_\_\_\_\_ - \_\_\_\_\_

\_\_\_\_\_

3. (Streaks) \_\_\_\_\_ - \_\_\_\_\_

\_\_\_\_\_

4. (Circular feature) \_\_\_\_\_ - \_\_\_\_\_

\_\_\_\_\_

**Scale** – Use the following number bank to choose numbers that best fill in the blanks for the ratios of diameters, volumes, distances of the Moon, Earth, and Sun. Use the closest number from the choices. None of the choices is perfect. If you know a more exact number, use that.

**Number Bank:** 1 2 4 5 10 20 30 50 100 1000

1. **Diameter** of the **Earth** to the **diameter** of **Moon** = \_\_\_\_\_ to 1
2. **Volume** of the **Earth** to the **volume** of **Moon** = \_\_\_\_\_ to 1
3. **Distance** from **Earth** to **Moon** in number **Earth diameters** = \_\_\_\_\_
4. **Diameter** of the **Sun** to the **diameter** of **Earth** = \_\_\_\_\_ to 1
5. **Distance** from **Earth** to **Sun** in number **Sun diameters** = \_\_\_\_\_

**Seasons** – Be able to describe what causes seasons and what causes summer to be warmer than winter. Sketches would also help. Include the following in your description:

- |                  |                      |                       |
|------------------|----------------------|-----------------------|
| Shape of Earth   | Tilt (of what?)      | Revolution (of what?) |
| Angle (of what?) | Intensity (of what?) | Hours (of what?)      |

Include how each is important and how they relate to each other. Be specific. The spherical shape of Earth, the tilt of Earth’s axis, and Earth’s revolution around the Sun all cause the angle and intensity of light and the hours of daylight to be lower in winter than summer.