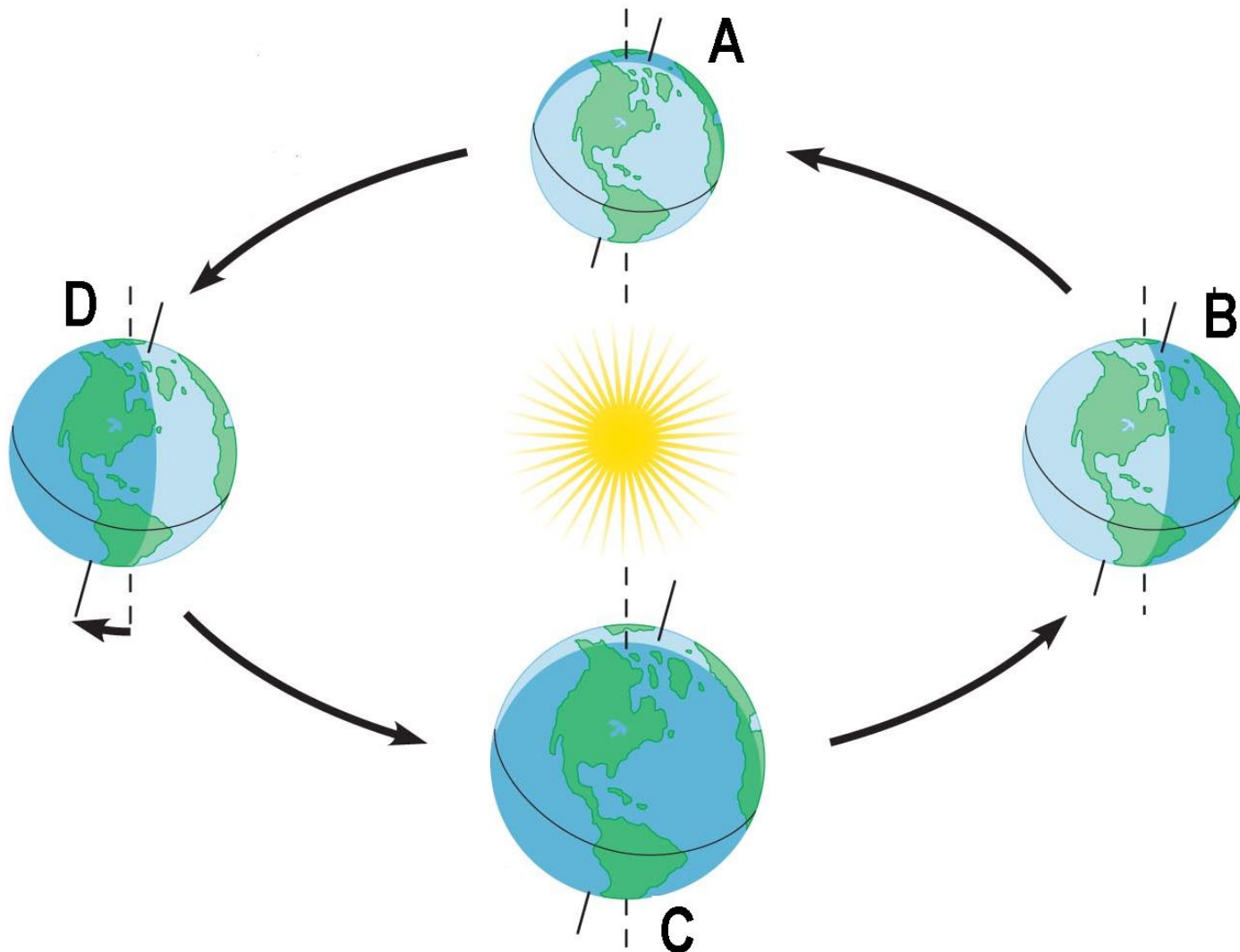


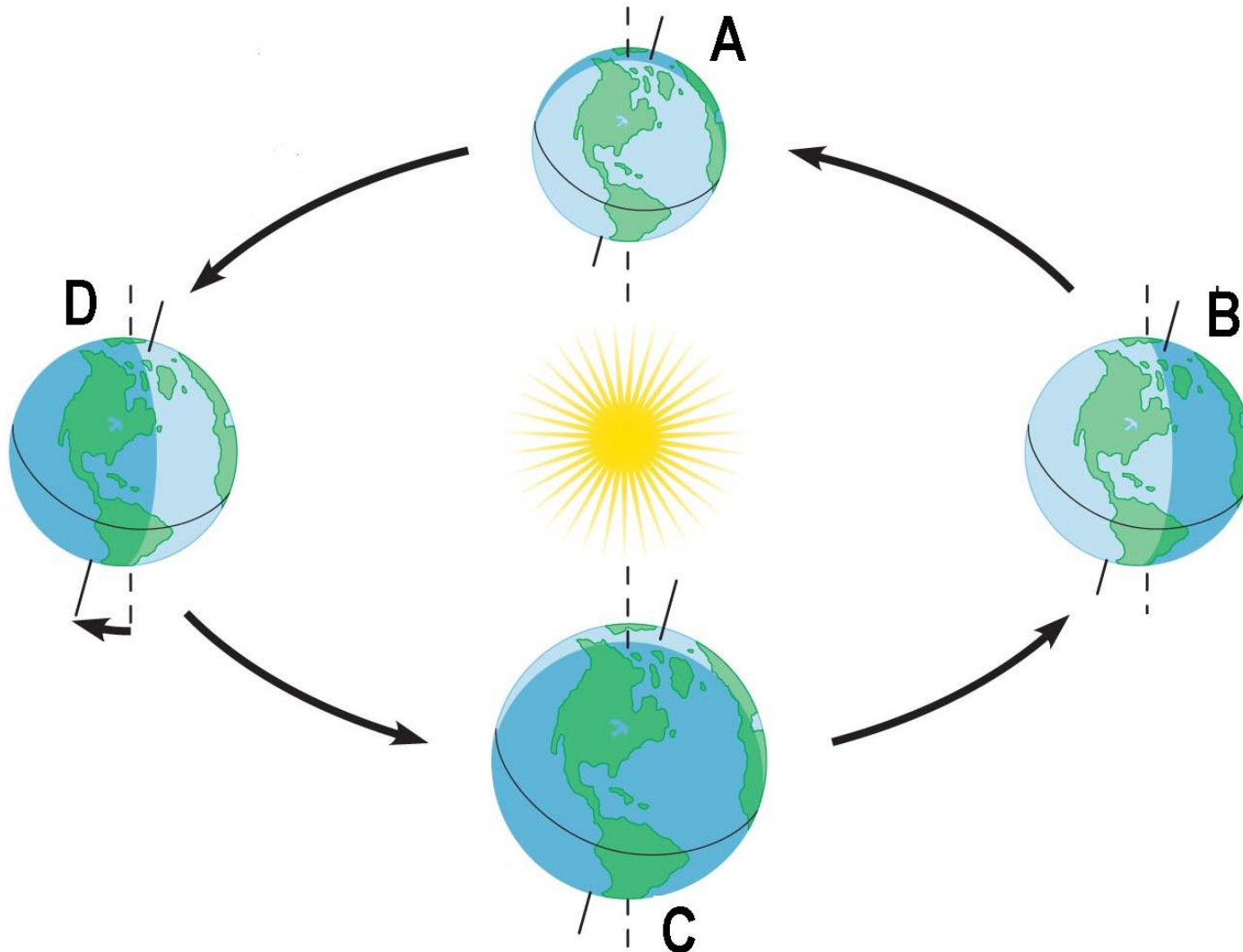
Moon/Earth/Sun System

1. Examine the illustration below showing Earth in relation to our sun in its orbit. Identify the seasons **SUMMER**, **FALL**, **WINTER**, and **SPRING** (example: A = choose season, B = choose season, etc.). Next to each, identify **WHY** you chose that season.



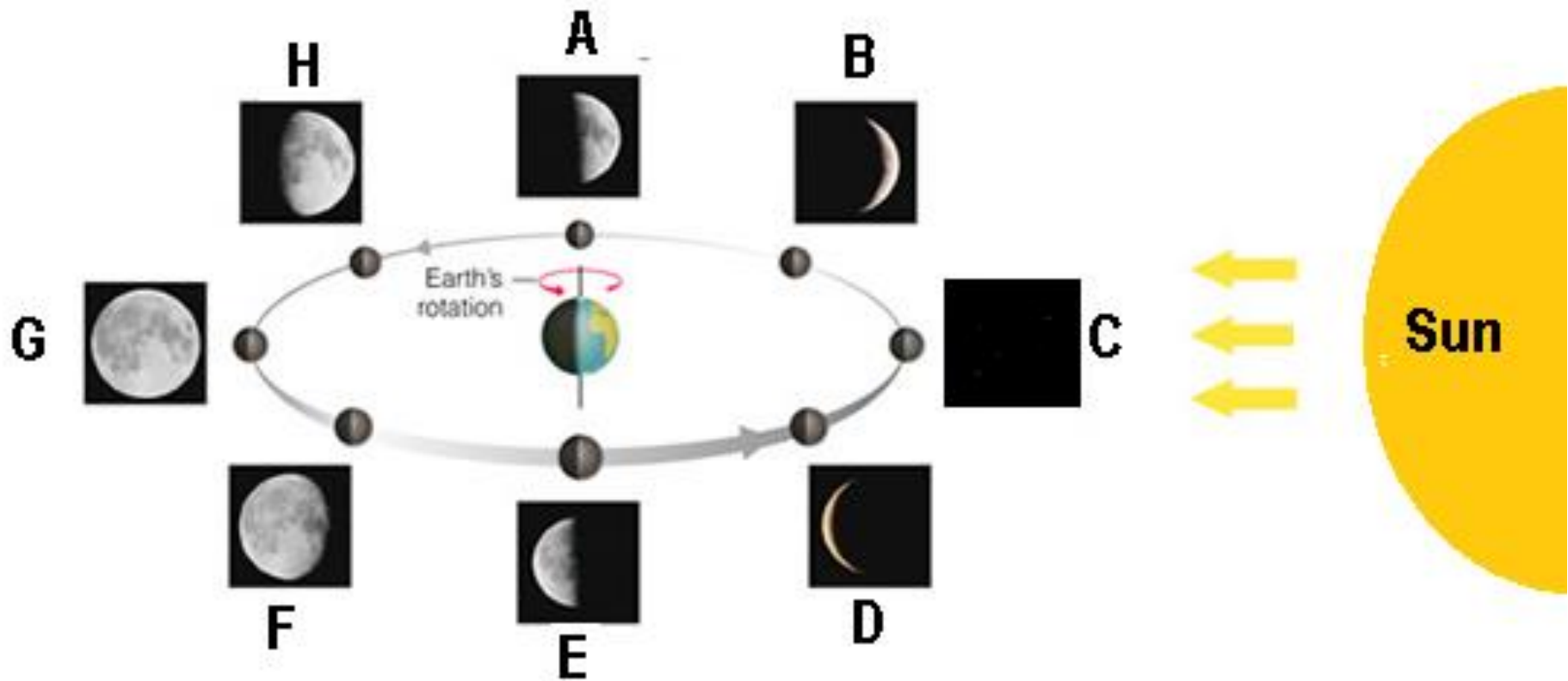
Moon/Earth/Sun System

2. Examine the same illustration showing Earth in relation to our sun in its orbit. Identify which letter corresponds to the **SUMMER SOLSTICE** and which letter corresponds to the **WINTER SOLSTICE**. Next to each choice, **EXPLAIN WHY**.



Moon Phases, Eclipses and Tides

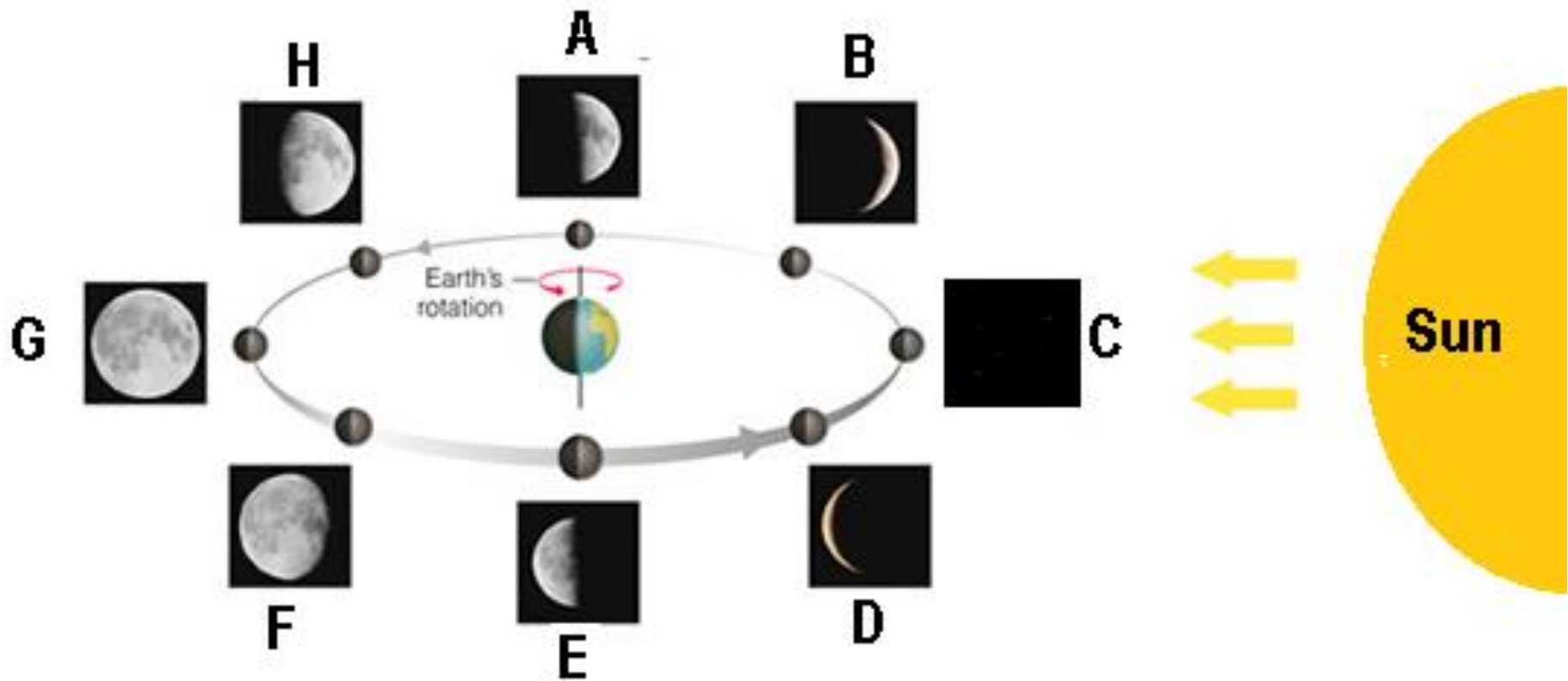
3. Examine the illustration of Earth's moon in relation to our sun and Earth. Identify which letter corresponds to the WAXING CRESCENT and which letter corresponds to the WANING CRESCENT. Next to EACH choice, EXPLAIN how you know (Look at relationships between the Earth, sun and moon).



Moon Phases, Eclipses and Tides

4. Examine the illustration of Earth's moon in relation to our sun and Earth. Identify which letter corresponds to the NEW MOON and which letter corresponds to the FULL MOON.

Next to EACH choice, EXPLAIN how you know (Look at relationships between the Earth, sun and moon). .

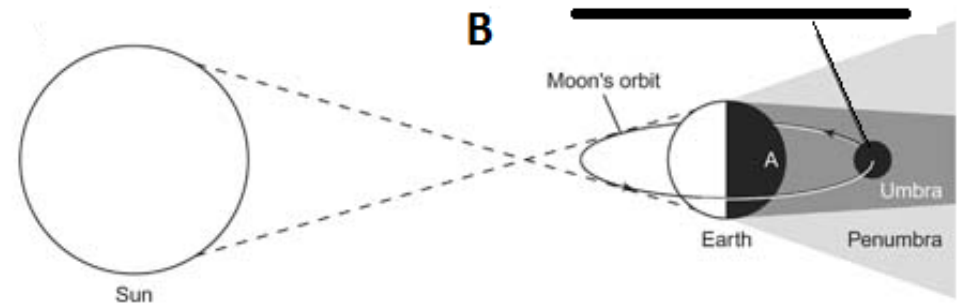
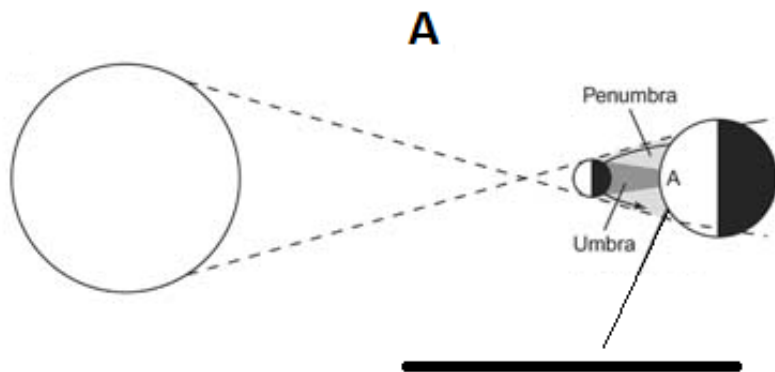


Moon Phases, Eclipses and Tides

5. Examine the illustration of Earth, its moon and sun. Identify which letter corresponds to a **SOLAR ECLIPSE**.

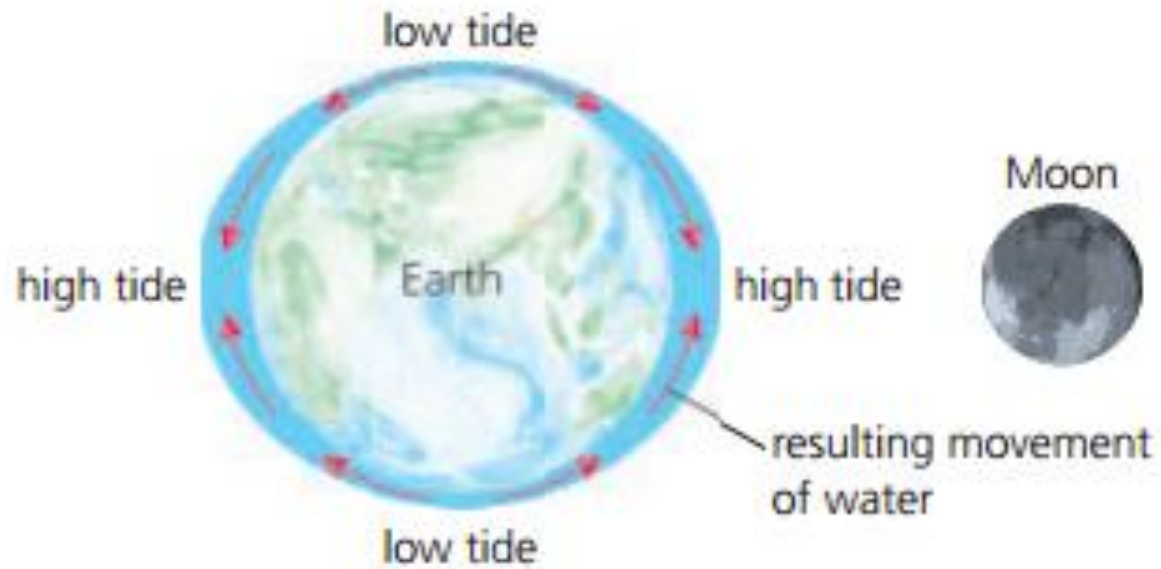
Identify which letter corresponds to a **LUNAR ECLIPSE**.

Next to **EACH** choice, **EXPLAIN** how you know (Look at relationships between the Earth, sun and moon).



Moon Phases, Eclipses and Tides

6. Describe the forces that determine ocean tides.

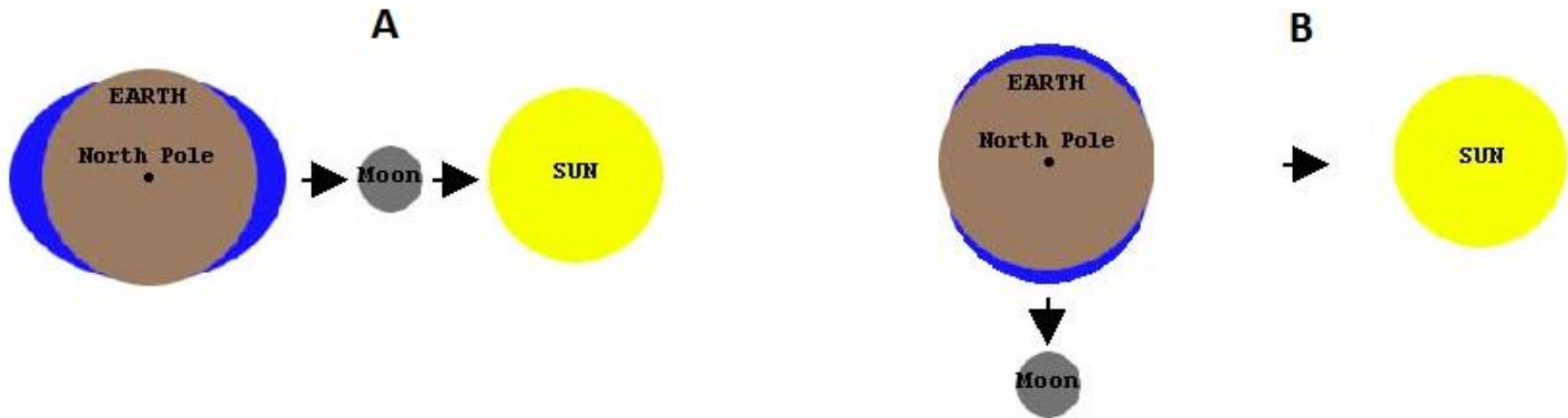


Moon Phases, Eclipses and Tides

7. Examine the illustration of Earth, its moon and sun. Identify which letter corresponds to a NEAP TIDE.

Identify which letter corresponds to a SPRING TIDE.

Next to EACH choice, EXPLAIN how you know (Look at relationships between the Earth, sun and moon).



Gravity and Inertia

8. Describe the relationship between GRAVITY and INERTIA.