

The Moon.

1. The moon
 - a) rotates on its axis with the same period as its revolution around the Earth
 - b) always points the same face towards the sun
 - c) does not rotate
 - d) rotates at the same rate as the Earth – once per day

2. If the moon was in its 3rd quarter last Saturday, what phase will it be in this Saturday?
 - a) waning crescent
 - b) waxing crescent
 - c) at or very near full
 - d) at or very near new

3. Which of the following is true?
 - a) Without the moon, we would have no tides
 - b) For a solar eclipse, the sun and moon must be at opposite nodes
 - c) We never see a full moon during the day
 - d) Although rare, it is possible to 2 solar eclipses within 2 weeks

4. Earth doesn't see a solar eclipse every month because
 - a) sometimes the moon is too far away to cover the sun's disk
 - b) the moon's orbit is not in the the same plane as the Earth's
 - c) the sun's orbit is not in the ecliptic
 - d) the Earth's orbit is tilted by 23.5 degrees to its pole