

## PTYS/ASTR 206 – Section 3 – In-Class Activity 2 – Assigned 2/26/09

NAME: \_\_\_\_\_ (PRINT CLEARLY)

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We're going to go over four of the questions on the mid-term that most people got wrong. For all the other questions the success rate was >50%. Circle the right answer.

13. If you're at the north pole and it's spring equinox (March), the Sun is...

- a) Directly overhead
- b) On the horizon**
- c)  $23\frac{1}{2}^\circ$  above the horizon
- d) It's permanently dark at the north pole
- e) It depends on the time of day

**47% of the class got this right on the mid-term**

18. If it's high tide at 6pm, what is the phase of the Moon?

- a) Full Moon
- b) Half full and waxing
- c) Half full and waning
- d) Half full and either waxing or waning**
- e) New Moon

**36% of the class got this right on the mid-term**

36. Energy is produced within the Earth mostly by...

- a) Burning of oil and gas
- b) Radioactive decay**
- c) Nuclear fusion of Hydrogen into helium
- d) Tidal heating
- e) Solar heating

**50% of the class got this right on the mid-term**

40. Most of the large impact basins we see on the Moon today were created ...

- a) during the formation of the Moon
- b) right after its formation when impact rates were highest
- c) over a period covering the past 3 billion years
- d) within the last 1 billion years
- e) during a short-lived spike in the impact rate long after the Moon formed**

**22% of the class got this right on the mid-term**

**Correct answers are underlined**