

Ch. 26-28 Study Guide

Review your Ch. 26 Quiz

1. What is the IDL? International Date Line
 - a. Where is it? Pacific Ocean
 - b. Is it a straight line? No, it zig zags
 - c. Why? Country Borders
 - d. What goes through Greenwich, England? Prime Meridian
 - e. What is its longitude? $\approx 180^\circ$ E or W

2. What is daylight saving time?
 - a. What do clocks do in March? Spring Forward
 - b. What do clocks do in September? Fall Back

3. Describe the Apollo 1 Mission? 3 Men Died, So it was an honorary title

4. Describe the Apollo 11 Mission? Land on moon
 - a. Who walked? Neil Armstrong, Buzz Aldrin
 - b. Who didn't? Michael Collins

5. Describe the Apollo 13 Mission? Electrical Explosion scrapped the mission
 - a. Describe and Draw the Slingshot Effect.
Use Moon's gravity to return to Earth

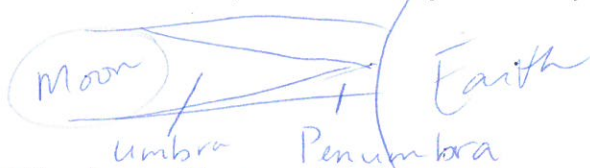
6. Describe the Apollo 17 Mission? Geology ~~collection~~
 - a. Why are there no more missions to the moon?
No Money, focus on International Space Station

7. Why do we see the same side of the moon? Give 3 reasons.
Earth: 1 day = 1 rotation ; Moon
Geosynchronous orbit
Both were created after the collision.
 - a. What's the side closest to us called? Near Side
 - b. What's the other side called? Far Side
 - c. Why can't we call it the dark side? It gets light during the New Moon Phase each month. It's not always dark.

8. What is the name of the most accepted theory for Moon formation? Collision or Impact
- What hit each other? 2 Planetesimals
 - What went into the atmosphere? Debris
 - Where else did it go other than the atmosphere? Beyond Atmosphere into Space,
 - What are the 2 fancy words that mean "stick together"? But close to Earth's gravity
Coalescence/accretion
9. What does geosynchronous mean? geo Earth sync Match chronos time
- Explain it. 1 day = 1 rotation Earth
10. Solar eclipses can only happen during the New moon. The Moon blocks the sun.
11. Lunar eclipses can only happen during the Full moon. The Earth blocks the sun.

12. A partial eclipse happens when the moon is in the (umbra/penumbra).

13. Draw the umbra and penumbra during a solar eclipse.



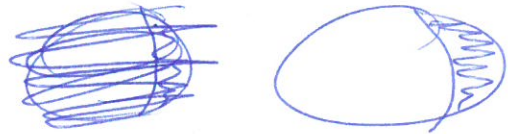
14. List the phases of the moon in order

New moon, Waxing crescent,
1st quarter, waxing gibbous,
Full Moon, Waning gibbous,
3rd quarter, Waning crescent, New moon

15. Draw the waxing crescent.



Draw the waxing gibbous.



16. Draw the waning crescent.



Draw the waning gibbous.



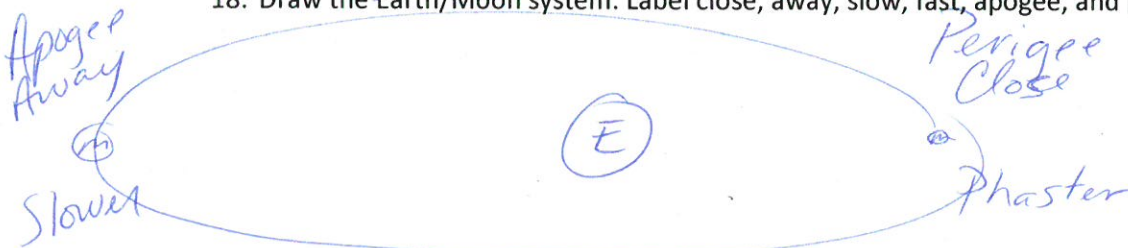
17. Draw the first quarter.



Draw the third quarter.



18. Draw the Earth/Moon system. Label close, away, slow, fast, apogee, and perigee.



Use your online google sheet that has all the information about the planets, asteroids, and dwarf planets.

19. Complete this sentence: My very excellent mother Just
Served Us Nachos.
20. Give the order of the planets as you leave the sun. Continue with the pattern I have started.
Mercury Venus
Earth Mars
Jupiter Saturn
Uranus Neptune
21. Mercury--Roman god of Speed
a. Terrestrial or Jovian (circle one) FASTEST
22. Venus--Roman goddess of Love/Beauty
a. Terrestrial or Jovian (circle one) SPINS BACKWARDS
Earth--not a Roman entity (Gaia is Greek)
23. Mars--Roman god of War
a. Terrestrial or Jovian (circle one) USED TO HAVE LIQUID WATER
24. Jupiter--Roman King of all Gods
a. Terrestrial or Jovian (circle one) LARGEST, MULTIPLE MOONS, GREAT RED SPOT (storm), RINGS (small/hard to see)
25. Saturn--Roman god of Agriculture
a. Terrestrial or Jovian (circle one) RINGS (rock and ice)
26. Uranus--ancient Roman deity of the heavens--earliest supreme god
a. Terrestrial or Jovian (circle one) RINGS (small/hard to see), ROLLS ON AXIS
27. Neptune--Roman god of the Sea
a. Terrestrial or Jovian (circle one) RINGS (small/hard to see), GREAT BLUE SPOT (storm)
28. DWARF PLANET, Pluto--Roman god of The Underworld
a. ~~Terrestrial or Jovian (circle one)~~ Neither, but it's rocky
b. Give 4 reasons why Pluto is not a planet.
i. angle is way off
ii. Rocky By Gas Giants
iii. Cuts inside Neptune's Orbit
iv. Charon and Pluto both revolve each other
29. Haumea: What is it?
Dwarf Planet
30. Makemake: What is it?
Dwarf Planet
31. Eris: What is it?
Dwarf Planet
32. Ceres: What is it?
Asteroid Belt Dwarf Planet

