

Moon Worksheet

Name: _____



Discuss the Formation of the Moon:

- How do scientists currently think the moon was formed?

Impact theory--- Mars-sized object collided with Earth about 4.6 billion years ago, ejected debris into space, consolidated into moon

Discuss the Characteristics of the Moon:

- What is the moon composed of?

Crust = silicates, feldspar, basalt

Mantle = iron and magnesium

Core = Iron, Nickel

- What are the dimensions of the moon? Circumference? Diameter?

D = 3,476 km

C = 10,920 km

- Why does the moon's appearance change?

Relationship between moon, sun, and Earth...

- Discuss the phases of the moon.

Multiple phases --- waxing crescent, 1st quarter, waxing gibbous, full moon, waning gibbous, last quarter, waning crescent, new moon LOOK at picture in book and on Gizmo

- Discuss the size of the moon in relation to the Earth.

1-4 ratio in diameter

1-50 ratio in terms of volume

- What is a lunar crater? What shape are most lunar craters?

Where object (meteoroid, comet etc...) hit the moon... circular in shape

- What is the name of material that is thrown from an impact crater?

ejecta

- Does the moon have an atmosphere? Explain.

Yes but not much of one. Some carbon gases. Very, very minimal

- Explain how the moon influences tides.

Gravity "pulls" at water USE GIZMO TO HELP with this one!