

# Moon Powerpoint Notes

## 1. The Moon is Earth's Natural Satellite

- ⊙ Earth's pull of \_\_\_\_\_ keeps moon as our natural \_\_\_\_\_
- ⊙ Takes \_\_\_\_\_ to get there with a space craft
- ⊙ Only one \_\_\_\_\_ of the moon is seen from \_\_\_\_\_
  - This is because the moon turns \_\_\_\_\_ on its axis each time it \_\_\_\_\_ the Earth
    - Near side- \_\_\_\_\_
    - \_\_\_\_\_-side we can't see
- ⊙ The moon rotates \_\_\_\_\_.

## 2. Moon Structure

- ⊙ \_\_\_\_\_ of moon called mare (plural =maria)
  - Not bodies of \_\_\_\_\_, but different types of solid \_\_\_\_\_
  - Moon has no air, \_\_\_\_\_, clouds, or \_\_\_\_\_
- ⊙ Light part of moon called \_\_\_\_\_
  - Covered with impact craters, no \_\_\_\_\_ so craters stay untouched

## 3. Moon Interior

- ⊙ 3 layers - \_\_\_\_\_
- ⊙ Core is similar to earth, but \_\_\_\_\_

## 4. Moon Formation

- ⊙ Collision-
  - An early \_\_\_\_\_ of earth is hit by a smaller \_\_\_\_\_
- ⊙ Re-forming-
  - The many \_\_\_\_\_ pull each other into \_\_\_\_\_ around the earth
- ⊙ Earth and Moon-
  - The moon \_\_\_\_\_ from the material that orbits the new \_\_\_\_\_

## 5. Moon Phases

- ⊙ It takes \_\_\_\_\_ for the moon to orbit around the \_\_\_\_\_
- ⊙ As the moon \_\_\_\_\_ around the earth, sunlight \_\_\_\_\_ off of the moon making it \_\_\_\_\_ in the night sky.
- ⊙ From \_\_\_\_\_, we can only see certain \_\_\_\_\_ of the lit moon.

## 6. Moon Phases Continued

- ⊙ Full \_\_\_\_\_ phase takes \_\_\_\_\_ month (4 weeks)
  - Weeks 1-2 are \_\_\_\_\_ phases (growing)
  - Weeks 3-4 are waning phases (\_\_\_\_\_)

## 7. Eclipses

- ⊙ Sun, \_\_\_\_\_, and earth line up exactly. A \_\_\_\_\_ crosses Earth or the \_\_\_\_\_
  - Make either the \_\_\_\_\_ or \_\_\_\_\_ grow dark
- ⊙ Umbra- \_\_\_\_\_ part of shadow
- ⊙ \_\_\_\_\_ - light part of shadow

## 8. Lunar Eclipse

- ⊙ Moon moves into the \_\_\_\_\_ shadow (umbra, and penumbra)
  - Total lunar eclipse- moon moves completely into Earth's \_\_\_\_\_

Draw a sketch here:

## 9. Solar Eclipse

- ⊙ When the moon passes in \_\_\_\_\_ the Earth and the \_\_\_\_\_
  - \_\_\_\_\_ umbra and penumbra create shadow on Earth
- ⊙ Only locations in the \_\_\_\_\_ of the moon's shadow experience a \_\_\_\_\_ eclipse

Draw a sketch here: