Moon Quiz Study Guide Key

Why do we see the moon?

\_\_\_\_\_We see the moon because it reflects sunlight.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Why do we see phases of the moon?

\_\_\_\_as the moon revolves around Earth we see different amounts of the illuminated side of the moon\_\_\_

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| **Spring Tide** | **Neap Tide** |
| Moon Phases Spring Tides Occur   New or Full | Moon Phases Neap Tides Occur   1st Quarter 3rd Quarter |
| Draw Earth, Moon and Sun  Image result for spring tide | Draw Earth, Moon and Sun |
| Effect on Tides  Tidal Range will be greater.  Strong Tides - higher high tides - lower low ides | Effect On Tides   Tidal Range will be smaller. - Weak tides  - lower high tides - higher low ides |

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| **Lunar Eclipse** | **Solar Eclipse** |
| Draw a Lunar Eclipse | Draw a Solar Eclipse |
| What object is in the middle? Earth | What object is in the middle? Moon |
| What would you see if you were watching a lunar eclipse? You would see the Earth blocking the light from reaching the moon. | What would you see if you were watching a solar eclipse?  You would see the moon blocking our sight of the sun. |

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| **Waxing** | **Waning** |
| moon is getting  larger | moon is getting  smaller |
| side of the moon you see  right | side of the moon you see  left |
| Which Quarter Moon?  1st Quarter | Which Quarter Moon?  3rd Quarter |

Draw and Label the phases of the moon in the correct order including: All 8 moon phases, direction of sunlight and the position of the Earth.

