How Tides Work Video Watching Guide

<http://science.howstuffworks.com/environmental/earth/geophysics/tide-cause.htm>

Use this guide to record important information you will learn while watching this video. The information is presented in the same order as the questions.

Name the 3 factors that cause tides on Earth.

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Circle the biggest factor.

What force pulls the Earth’s oceans toward the moon?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ force

True or False? The Earth itself is pulled toward the moon. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What kind of tide occurs on the side of Earth facing toward and away from the moon?

\_\_\_\_\_\_\_\_\_\_\_\_ tide

What kind of tide occurs on the sides of Earth at right angles to the moon?

\_\_\_\_\_\_\_\_\_\_\_\_ tide

What kind of tide is created when the sun, moon and Earth are lined up?

\_\_\_\_\_\_\_\_\_\_\_\_ tide

Think…During what phases of the moon would these tides occur?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What kind of tide is created when the moon and sun form a right angle with the Earth?

\_\_\_\_\_\_\_\_\_\_\_\_ tide

Think…During what phases of the moon would these tides occur?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_