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Eclipses and Tides Homework

11	ple Choice — Juring one 24 hour period, every point on Earth will experience a one high tide b. four tides c. four low tides	d. one low tide
2)	You can see a lunar eclipse if you look into the sky during a. a new moon b. crescent moon c. the day	d. the night
3)	The area in a shadow in which all light is cut off is called the	d. true shadow
4)	When the moon is in Earth's shadow, aoccurs. a. solar eclipse b. new moon c. full moon	d. lunar eclipse
Dia	agrams -	
Å.	Use Figure 5-2 to answer Questions	
	 7) What kind of eclipse is shown in Figure 5-2? 2) During what moon phase can this type of eclipse occur? 3) Label the umbra and penumbra on the Figure. 	
,	Earth Moon	Sun

4) Why don't we have a solar eclipse during every new moon phase?

FIGURE 5-2.

)	what is the phase of the moon during a lunar eclipse? Why does a lunar eclipse last much longer than a solar eclipse?		
,	why avec a randi compose root mach rouge, when a belief compose.		
٦,	Draw a diagram of the Earth and moon which shows how the tides occur.		
		game.	
)	How many high tides occur every 24 hours?		
2)	How many hours are there between high tide and low tide?		
3)	If the Earth, moon and sun all lined up (see figure 5-2), how do you think that would affect the tides	s? ·	

Draw a diagram of the Earth, moon, and sun for a lunar eclipse. Label the umbra and the penumbra

	Name
	Date
(Eclipses and Tides Homework
·]	ple Choice -
1,	Juring one 24 hour period, every point on Earth will experience
,	a. one high tide b. four tides c. four low tides d. one low tide
2)	You can see a lunar eclipse if you look into the sky during
	a. a new moon b. crescent moon c. the day d. the night
3)	The area in a shadow in which all light is cut off is called the
	a. penumbra b. umbra c. postumbra d. true shadow
4)	and the bridge
1)	When the moon is in Earth's shadow, a occurs. a. solar eclipse b. new moon
	a. solar eclipse b. new moon c. full moon d lunar eclipse
70.	
U1	agrams -
A.	Use Figure 5-2 to answer Questions 1-4
15.	
	/) What kind of eclipse is shown in Figure 5-2?
	2) During what moon phase can this type of eclipse occur?
	3) Label the umbra and penumbra on the Figure.
	Penumbra
	Earth (Moon) Sun

4) Why don't we have a solar eclipse during every new moon phase?

FIGURE 5-2.

Moon's orbit is tilted 5°

Draw a diagram of the Earth, moon, and sun for a lunar eclipse. Label the umbra and the penumbra	
SUN E umbra (m) Penumbra	
what is the phase of the moon during a lunar eclipse? Why does a lunar eclipse last much longer than a solar eclipse?	
Earth's Shadow is much larger than the Moon's Shadow. 2. Draw a diagram of the Earth and moon which shows how the tides occur.	
Monthly Cycle Neap Monthly Cycle M H- High fide L- Low tide Spring M Neap	
now many mgn udes occur every 24 hours?	
How many hours are there between high tide and low tide?	
You would have the highest high tides of the Month (Spring tides)	