6.	2 TIDES PAGES 45	8-460 NAME	HR	
1.				
2.	At the times when the moon is closest to Earth, (perigee) tides will probably be			
TH	HE CAUSE OF TIDES			
3.	<ul> <li>Which statement is true?</li> <li>a. Tides are formed because of the moon's gravity.</li> <li>b. Tides are formed because of the sun's gravity.</li> <li>c. Tides are formed because of the moon and sun's gravity.</li> </ul>			
4.	True or false: The sun has a greater effect on tides because it is much larger than the moon.			
5.	Why doesn't the land have as much of a tidal bulge as the water?			
6.	Which moves faster, the spin of the Earth, or the tidal bulge caused by the moon?			
7.	If your beach spins into the zone where the moon is creating a tidal bulge, what happens?			
8.	How many high tides do most coastal locations get every day? How many low tides? (2pts)			

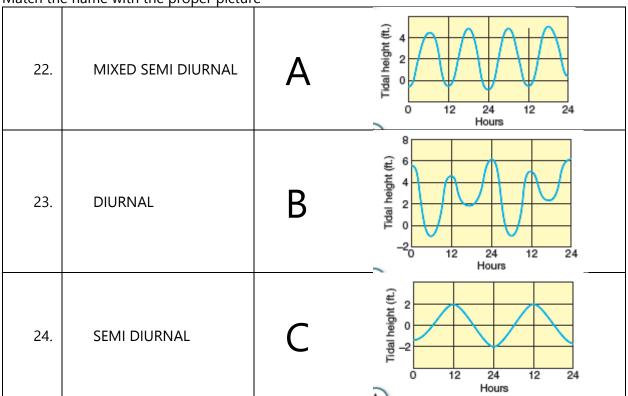
9. Look at the picture on p 458. Is Florida experiencing a high tide or low tide?

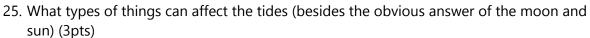
## **TIDAL CYCLE**

10.	Which astronomical body has more of an influence on tides, the sun or the moon?		
11.	. When the sun and moon are aligned (and thus their gravitational pulls are working together), how does that affect the tides?		
12.	Look at the picture on page 459. What color is the lunar tide?		
13.	3. What color is the solar tide?		
14.	Which picture (A or B) shows a spring tide?		
15.	5. Which picture (A or B) shows a neap tide?		
16.	Spring tides occur during which moon phases? (2pts)		
	AND		
17.	Neap tides occur during which moon phases? (2pts)		
	AND		
18.	tides occur when the earth, moon, and sun are forming a 90 degree angle.		
19.	tides occur when the earth, moon, and sun are aligned and form a 180 degree angle.		
20.	What is a tidal range?		
21.	Look at the picture on p 459. Is the picture on the left at high tide or low tide?		

## **TIDAL PATTERNS**

Match the name with the proper picture





1\_\_\_\_\_

2\_\_\_\_\_

3 \_\_\_\_\_

26. Which tide show in the above table (A, B, or C) has a single high tide and single low tide each day?

\_\_\_\_\_

27. Has 2 high tides and 2 low tides each day and they are about the same height?

\_\_\_\_\_

28. Has 2 high tides and 2 low tides each day, but the heights of the high tides are very different from each other?

\_\_\_\_\_

29. What is the tidal range of A? \_\_\_\_\_\_ B? \_\_\_\_ C? \_\_\_\_\_