Solar Eclipse Worksheet

The answers to the following questions can all be found by visiting:

http://www.activewild.com/what-is-a-solar-eclipse/

(Mark the correct answers with a tick.)

1.	 What is a solar eclipse? A. A natural phenomenon that occurs when the moon comes between the sun and the Earth, preventing sunlight from reaching Earth B. A natural phenomenon that occurs when the Earth comes between the sun and the moon, preventing sunlight from reaching the moon 		What is the maximum possible time of totality? A. Around 60 seconds B. Around 7.5 minutes C. Around 12 hours Does a total eclipse occur instantly, or is there a period of partial eclipse before and after?
2.	A partial solar eclipse occurs A when the moon partially covers the sun, making the sun resemble a crescent		 A. A total eclipse occurs instantly B. There is a period of partial eclipse before and after the total solar eclipse
	B when the moon is partially hidden by Earth, causing a shadow on the moon	7.	
3.	A total solar eclipse occurs A when the Earth's shadow can be seen on the moon		A. Baily's beads B. The sun's corona C. Sunspots
	B when the sun is completely covered by the moon, causing darkness on Earth	8.	What is the moon's umbra? A. The shadow cast by the moon on Earth
4.	The brief period of darkness experienced during a total solar eclipse is known as what?	9.	B. The dark side of the moon If you're inside the moon's umbra, what
	A. Totality B. Solar darkness C. Negativity		type of eclipse will you be able to see A. Partial solar eclipse B. Total solar eclipse

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10.	If you're inside the moon's penumbra, what type of eclipse will you be able to see?	A. The moon is only large enough to cast a relatively small shadow on Earth
	A. Partial solar eclipseB. Partial lunar eclipse	B. Everyone on Earth can see the same solar eclipse
	The moon is far smaller than the sun. How does it manage to cover the entire sun during a solar eclipse? A. The moon is far closer to Earth than the sun B. The moon expands in the heat given off by the sun What is the path of totality? A. The path taken by the Earth as it orbits the sun B. The path taken by the moon's	 16. What is an annular eclipse? A. An eclipse that occurs once a year. —— B. An eclipse during which the sun can still be seen around the moon, making a ring shape. —— 17. What is syzygy? A. When three celestial bodies are aligned —— B. When two celestial bodies are aligned —— C. Hungarian for sausages ——
	shadow as it moves over the Earth —	18. How often do solar eclipses occur?
13.	What are two factors that determine the duration of a total solar eclipse? A. The size of the moon's shadow	A. Once every year B. Two to five times a year C. Every two to five years
	B. The speed at which the moon's shadow is moving across the surface of the Earth	19. Why don't solar eclipses occur every month?
	C. The ground temperature within the path of totality	A. It takes the moon two months to orbit the EarthB. The moon orbits Earth at a slight
14.	What phenomenon will those near to, but not inside, the path of totality witness?	angle, and its shadow usually misses Earth
		20. What is a lunar eclipse?
	A. A lunar eclipse B. No eclipse	A. In a lunar eclipse, the sun comes
	C. A partial eclipse	between Earth and the moon B. In a lunar eclipse, the Earth
15.	Why can't the same solar eclipse	prevents sunlight from reaching the moon

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