

## **General Assessment - AGRP 2023 - Software Development**

0:28:20

## CHOOSE THE CORRECT ANSWER AFTER READING THE PASSAGE:

This passage is followed by questions based on its content. After reading the passage, choose the best answer to each question. Answer all the questions following a passage on the basis of what is  $\underline{\text{stated}}$  or  $\underline{\text{implied}}$  in that passage.

PASSAGE: Theorists are divided concerning the origin of the Moon. Some hypothesize that the Moon was formed in the same way as were the planets in the inner solar system (Mercury, Venus, Mars, and Earth)—from planet-forming materials in the presolar nebula. But, unlike the cores of the inner planets, the Moon's core contains little or no iron, while

the typical planet-forming materials were quite rich in iron. Other theorists propose that the Moon was ripped out of the Earth's rocky mantle by the Eart large celestial body after much of the Earth's iron fell to its core. One problem with the collision hypothesis is the question of how a satellite formed in the into the nearly circular orbit that the Moon has today. Fortunately, the collision hypothesis is testable. If it is true, the mantle rocks of the Moon and the Egeochemically.	nis way could have settled
16. According to the passage, Mars and the Earth are similar in which of the following ways?	
Their satellites were formed by collisions with other celestial bodies.	
II. Their cores contain iron.	
III. They were formed from the presolar nebula.	
○ I and III only	
○ I, II and III	
II and III only	
○ I and II only	
○ III onty	
17. The author implies that a nearly circular orbit is unlikely for a satellite that:	
circles one of the inner planets	
O was formed out of the planet-forming materials in the presolar nebula	
is different from its planet geochemically	
is deficient in iron	
was formed by a collision between two celestial bodies	
18. Which of the following, if true, would be most likely to make it difficult to verify the collision hypothesis in the manner suggested by the author?	
The Moon's core and mantle rock are almost inactive geologically.	
O Certain of the Earth's elements, such as platinum, gold, and iridium, followed iron to the Earth's core.	
<ul> <li>The mantle rock of the Moon contains elements such as platinum, gold, and iridium.</li> </ul>	
O Much of the Earth's iron fell to the Earth's core long before the formation of the Moon, after which the Earth's mantle rock remained unchanged.	
The mantle rock of the Earth has changed in composition since the formation of the Moon, while the mantle rock of the Moon has remained chem	ically inert.
« Previous Page Next Page »	Answered 17 of 30 (56%)

Powered by FlexiQuiz.