Assignment for Today

Read section 13.10 on pages 418-419.
Questions from Understanding concepts 1, 2ab, 4,5.

Space Science Documentary 2017 - NASA's Journey to Mars - YouTube
https://www.youtube.com/watch?v=Kfg2wtriu_8

Complete the challenge - which planet would be suitable for possible colonization? Give reasons for your choice. How will the planet conditions need to be considered in the design of your space colony? What would need to be done to make life sustainable on this planet?

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1) a) Scientist believe that Mercury has no atmosphere.

b) Mercury being the closest planet to the sun may not contain an atmosphere because of this reason. The sun's heat would destroy and gases that existed.

Pluto & Mercury have no Common characteristics

2) a) Venus and Mars seems to be two planets that share some similarities with Earth. If you compare size Venus and Earth are approximately the same size. If you look at Mars its rotational period is 24 hr 39 min and Earth's is 24 hrs. All three planets have nitrogen in it atmosphere.

b) The planets that are the least similar to Earth are Jupiter, Saturn, Uranus and Neptune. Each of these four planets are extremely large compared to earth, their orbital periods take years and their temperatures are extremely cold.

c) Pluto is no longer considered a planet and is now known as a dwarf planet

4) The atmosphere on the four larger planets would not support lif because living organism need oxygen and nitrogen to survive.

Attachments

student response no tilt.avi

seasons.avi

Uranus student response(4).avi