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Missions Quiz

1. Which is NOT an advantage of manned space missions over unmanned missions?
 - a) Humans require extensive and expensive training for space work
 - b) Humans can carry out difficult conditions and movements that no robot would be capable of
 - c) Humans do not need programming and can be flexible and intelligent to carry out different tasks

2. Which is NOT an advantage of unmanned space missions over manned missions?
 - a) They can go further away from Earth and can travel for longer periods
 - b) They do not need extra room for life support
 - c) They do not need lengthy programming

3. What is an advantage of an orbiting space probe?
 - a) Can observe and map the entire body
 - b) Can disturb materials allowing us to find what it is composed of
 - c) Can study the immediate environment and take precise surface readings and conduct basic experiments
 - d) An array of sensors can measure many features send images in detail

4. What is an advantage of an flyby space probe?
 - a) Can observe and map the entire body
 - b) Can disturb materials allowing us to find what it is composed of
 - c) Can study the immediate environment and take precise surface readings and conduct basic experiments
 - d) An array of sensors can measure many features send images in detail

5. What is an advantage of a landing space probe?

- a) Can observe and map the entire body
- b) Can disturb materials allowing us to find what it is composed of
- c) Can study the immediate environment and take precise surface readings and conduct basic experiments
- d) An array of sensors can measure many features send images in detail

6. What is an advantage of an impacting space probe?

- a) Can observe and map the entire body
- b) Can disturb materials allowing us to find what it is composed of
- c) Can study the immediate environment and take precise surface readings and conduct basic experiments
- d) An array of sensors can measure many features send images in detail

7. Landers have visited other planets, moons, comets and asteroids. What are some of the risks involved?

- a) Mechanical failure to open parachutes.
- b) Landing in a badly placed area.
- c) Failure to deorbit or miss the body

8. Orbiters visiting cloudy bodies such as Venus or Titan use this technology to map the surface

- a) Spectrometers
- b) Lasers
- c) Radar

9. In order to reach space orbit a rocket must first reach..?

- a) Earth Velocity
- b) Escape Velocity
- c) Hubble Velocity

10. Apollo Lunar Surface Experiments Package (ALSEPS) used on the Moon measure which of these (select all that apply)

- a) Retroreflectors to measure the distance to the Moon
- b) Seismographs to measure moonquakes
- c) Sensors to measure solar radiation

Answers

1. (a)
2. (c)
3. (a)
4. (d)
5. (c)
6. (b)
7. (a) (b) (c)
8. (c)
9. (b)
10. (a) (b) (c)