Reproducible

Name _____ Date _____

Brainstorm

1. Why do humans explore? _____

2. Where does the money for space exploration come from? _____

3. What are possible economic benefits of space exploration? _____

4. Might a lunar base be cheaper to run than a space station in low-Earth orbit?

5. What are the advantages/disadvantages of gender-mixed crews? _____

6. What are the different abilities of human crews and robotic instruments (e.g., compare initiative, adaptability, hardiness, need for life support)? _____

7. What types of support teams (on Earth or other home base) are necessary to a mission? Consider human and/or robotic crews. _____

8. How does destination and crew selection affect vehicle design? _____

9. What skills/programming would astronauts/robots need during each phase of a mission? _____

10. Imagine some emergencies that might occur in flight. How might we plan to deal with them? What kinds of problems could not be fixed in a spacecraft millions of miles from home base? _____