

Research Questions

1. Why do scientists explore space?
2. What knowledge has been gained through scientists' exploration of space?
3. How has the knowledge gained through exploring space been used? (List at least 2 ways the knowledge has been used).
4. What is the name of your planet?
5. Where is your planet located (what part of the galaxy or solar system)?
6. How far is your planet from Earth? (Light years and miles)
7. How far is your planet from the sun? (Light years and miles)
8. How long is a _____ on your planet?
 - Rotation (Sun, its own axis etc)
 - Day
 - Night
 - Month
 - Year
 - Season (s)
9. Is your planet **terrestrial** or **extraterrestrial**?
 - Why?
10. Compare/contrast the density of your planet to the density of earth.
11. What is your planet made of?
 - Describe the surface
 - Atmosphere
 - Gravitational force
12. Can life be **sustained** on your planet?
13. What **natural resources** (found on Earth) are located on your planet?

14. ***Other than finding out what it's made of***, what scientific information has been learned about your planet?
15. If your planet has been explored, how have scientists used what they have learned about your planet or how do they think they will be able to use the information?
16. What **celestial bodies** are located near your planet?
17. Does your planet have moons?
 - **How many?**
 - **How do they affect your planet?**

*Add other interesting facts about your planet.

*This information should be put into an essay format unless you were told otherwise.

All students should attempt to answer questions 18 and 19. **Honors students must answer questions 18 and 19.**

Additional Questions *All students must attempt to answers these questions. Students should analyze and apply knowledge from previous science units in order to make the best attempt. Students should also use the scientific writing process (claim, evidence, proof) in order to make the best attempt. Extra credit will be rewarded for effort to provide a logical explanation.

18. Do you think cell phones would work on your planet?

- Why?
- Why not?

19. If your alien takes a “selfy” on his or her planet what would the images look like and **why?**

- Would the pictures be in color?
- Would the pictures be black and white?
- Would the pictures look like x-rays?
- Would the pictures be invisible?