

Name \_\_\_\_\_ Date \_\_\_\_\_

### Mars Rover Celebration Pre-Assessment

Answer the following questions to the best of your ability. Your answers will be used to show how much you have learned at the end of the Mars Rover Celebration unit. This is a pretest and you are not expected to know all of this information yet.

1. How would you describe the size of our solar system (size of the sun and planets and the distance away from Earth) to a friend? \_\_\_\_\_  
\_\_\_\_\_
  
2. Why is it important to have a clear PURPOSE before beginning research? \_\_\_\_\_  
\_\_\_\_\_
  
3. Name three characteristics of the terrain on Mars.
  1. \_\_\_\_\_
  2. \_\_\_\_\_
  3. \_\_\_\_\_
  
4. What does it mean to SCAN text while conducting research? \_\_\_\_\_  
\_\_\_\_\_
  
5. What are three things to consider when designing a successful mission to Mars?
  1. \_\_\_\_\_
  2. \_\_\_\_\_
  3. \_\_\_\_\_
  
6. Name three organizational tools/aids that can help you find the information you need when conducting research.
  1. \_\_\_\_\_
  2. \_\_\_\_\_
  3. \_\_\_\_\_

7. Why is it important to ask good questions? \_\_\_\_\_  
\_\_\_\_\_

8. How are math, science and reading skills important when conducting a research project? \_\_\_\_\_  
\_\_\_\_\_

9. How can you tell what is IMPORTANT from what is INTERESTING as you conduct research? \_\_\_\_\_  
\_\_\_\_\_

10. Why is it important to consider different solutions to a problem? \_\_\_\_\_  
\_\_\_\_\_

11. Why is the Engineering Design process important to scientists and engineers?  
\_\_\_\_\_  
\_\_\_\_\_

12. What are some tools you can use to figure out the meaning of new VOCABULARY? \_\_\_\_\_  
\_\_\_\_\_

13. Why is creating a prototype useful? \_\_\_\_\_  
\_\_\_\_\_

14. What are the KEY FEATURES of a FORMAL (professional) presentation? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

15. What are three skills that are needed to work successfully with a team?  
1. \_\_\_\_\_  
2. \_\_\_\_\_  
3. \_\_\_\_\_