

Name \_\_\_\_\_

Date \_\_\_\_\_

### **How to build an Earth**

1. What ingredients and in what amounts is Earth made from? (There are 4 major ingredients).
2. Which force began the process of creating the planet from interstellar dust?
3. Which force took over and what did it cause to happen?
4. What evidence on Earth shows this process is still occurring?
5. Why does the gnome's weight change?
6. Describe some features of the Barringer meteorite impact
7. What is the oldest object on Earth?
8. How many tons of meteorites hit the Earth annually?

9. What energy from what events kept the Earth molten?
  
10. How does the molten planet become solid?
  
11. Where did the Earth's water come from?
  
12. Why was early Earth not capable of developing life like us?
  
13. What had to happen to allow development of Life as we know it?
  
14. What stabilized Earth?
  
15. How far away is the moon?
  
16. How is the tidal effect of the Moon important in the evolution of life?