

*Suggestion: sketch the 4 stages of the Solar System's formation that we drew on the back of your notes.*

1. In the earliest stages of our Solar System's formation, what was it called?
  
2. Describe our solar system during its earliest stages. Describe its...
  - a. Size
  
  - b. Temperature
  
  - c. Motion
  
  - d. Shape
  
3. What types of materials were in the Solar system at that time?
  
4. Describe how the solar system first began to change.
  - a. What happened to its size?
  
  - b. Why?
  
5.
  - a. What happened to its temperature?
  
  - b. Why?
  
6.
  - a. What happened to its motion?
  
  - b. Why?
  
7.
  - a. What happened to its shape?
  
  - b. Why?

8.
  - a. What is the name of the process that produces the Sun's energy?
  - b. Where did this process first begin?
  - c. Why did it begin in that location?
  - d. What is the "fuel" that is used in this process?
  - e. What substance does the "fuel" turn into during this process?
9. What caused the planets to form?
10. Why do only the outer planets have large amounts of gas?
11. What prevents the planets from flying away from the Sun?
12. What prevents the planets from falling into the Sun?
13. Approximately how old is our Solar System?
  - a. 460 years
  - b. 4,600 years
  - c. 4.6 million years
  - d. 4.6 billion years
  - e. 4.6 trillion years