

Name \_\_\_\_\_  
Period \_\_\_\_

**'Creation Of The Universe'**

1. According to the video how old is the earth?
2. What was Times Square formerly known as?
3. According to Aristotle, what are the two universal forces?
4. Name the four universal forces and the particles that carry those forces?
5. Where is Fermi Lab located?
5. What is the combination of the electromagnetic and the weak nuclear force called?
6. How long does the average proton survive?
7. How old was the universe when the X-particle reigned as the primary force carrier; watch carefully when the narrator is climbing the lighthouse steps.
8. What was discovered, by Carlo Rubia, at CERN?
9. Steven Hawking holds the Lucasian Chair of Mathematics at Cambridge, what other famous physicist held this position?
10. What did Einstein call the 'greatest blunder of my career'?
11. Who found (not predicted) that the universe is expanding?
12. Who Predicted that the universe is expanding?
13. What was left behind from the beginning of the universe that can be detected on a TV?
14. What cathedral collapsed twice under its own weight?
15. What building is based upon the cathedral mentioned above?