Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Period \_\_\_\_\_\_\_\_\_\_\_\_\_

**The Big Bang: Everything You Ever Wanted to Know**

**A Big History of Everything**

1. What was created during the Big Bang? (Hint: 2 things)
2. What 2 fundamental forces were created during the Big Bang?

**Threshold 1: The Big Bang**

1. When did the Big Bang happen?
2. Why don’t we know the Ingredients and Goldilocks Conditions for the Big Bang?
3. What raw materials did the Big Bang provide? (Hint: 4 things)
4. What forms did energy take after the Big Bang? (Hint: 2 things)
5. What forms did matter take after the Big Bang? (Hint: 2 things)
6. Why does this matter (no pun intended)?
7. What new complexity was created by the Big Bang?

**Questions About the Big Bang**

1. What evidence is there that the universe is expanding?
2. What questions have not been answered about the Big Bang? (Hint: there are 5 questions)

**Electromagnetism**

1. How far can a human voice travel until it runs out of energy?
2. How can we extend our voices?

**Jacqueline Howard Presents: Looking into the Past**

1. How quickly does light travel?
2. What evidence did Hubble have for the expansion of the Universe?
3. What is the significance of the Hubble eXtreme Deep Field?
4. What is the goal of the James Webb Space Telescope?