Answer all questions in your own words. If you cannot remember a specific vocabulary word, try your best to describe the concept using examples from your own life.

1. How long ago did the Big Bang happen?
2. Describe the Big Bang Theory
3. Describe one of alternatives theory to the Big Bang Theory
4. Name three pieces of evidence for the Big Bang

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| Evidence 1 | Evidence 2 | Evidence 3 |
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1. What is Hubble’s Law?
2. In what direction are nearly all galaxies moving?
3. How is the universe like rising raisin bread dough or a balloon with dots drawn on it?
4. What is “red shift” an indication of as it relates to the Big Bang Theory?
5. What do scientists call the radiation left over from the Big Bang?
6. What elements do scientists look for in very old galaxies?
7. Why are the elements you identified in number 10, above, evidence of the Big Bang?
8. BONUS: If microwave radiation in the universe were visible, it would be bright and astonishingly uniform. How does this support the Big Bang theory?
9. BONUS: Do you think microwaves are the only form of radiation left from the Big Bang? Why or why not?