**What is the Big Bang?**

<https://spaceplace.nasa.gov/big-bang/en/>

Please use the NASA “Space Place: Explore Earth and Space!” website provided above to answer the following questions. You can answer the questions digitally, or print this form out and write your answers by hand.

1. Describe what the Big Bang is.

2. What was George Lemaitre’s big idea about the universe?

3. What did astronomer Edwin Hubble discover about distant galaxies?

4. Is the universe still expanding? What is the evidence for your claim?

5. When the universe was created, were there galaxies?

Were there stars?

Were there planets?

Were there atoms?

6. What happened to the temperature of the universe as the universe expanded?

7. How long ago did the Big Bang happen?

8. Why would “Everywhere Stretch” make a more accurate name than the “Big Bang”?

II). Now, take a moment to watch the video “[What is the Universe Expanding Into](https://youtu.be/Kj0TwTonG_8)”. It’s short… only about 4 minutes long.

In your own words, tell me what you think scientists mean when they say that the universe is expanding…

III) Finally, watch [this video about Edwin Hubble](https://youtu.be/hVApTLE7Csc).

What is the CLAIM that Edwin Hubble made about the Universe?

What is the EVIDENCE that Hubble used to make his claim?

What is the REASONING that Hubble used to connect his evidence with his claim?