Directions: Watch these videos in order and answer the questions on your own sheet of paper.

[Start with this video first](https://www.youtube.com/watch?v=tq6be-CZJ3w)

1. How old is the Universe?
2. If the Universe were 13 years old, when would the you have showed up?
3. The Big Bang is the moment when both \_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_ we created.
4. Physicists call Cosmic Background Radiation (CBR) the \_\_\_\_\_\_\_\_\_\_ of the Universe.
5. Galaxies and stars moving away from us have their light stretched out and it looks \_\_\_\_\_\_\_\_\_\_\_.

[Then watch this one](https://www.khanacademy.org/partner-content/big-history-project/solar-system-and-earth/earth-and-form-solar-system/v/bhp-threshold4)

1. What are the clouds that spin around newly forming stars made of?
2. What is accretion?
3. Why do areas near new stars tend to contain heavier elements and not hydrogen and helium?

[Then watch this one](https://www.khanacademy.org/partner-content/big-history-project/solar-system-and-earth/earth-and-form-solar-system/v/bhp-how-did-earth-solar-system-form)

1. When atoms join together, what do we call that?
2. What can different types of bonds do

Part II

1. How do we know about all of the molecules present in the clouds of matter in supernovae?
2. Our Sun formed when a cloud of matter collapsed under the pressure of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
3. As the cloud collapsed, it began to \_\_\_\_\_\_\_\_\_\_\_ and slowly flattened out.
4. This sort of disc is called a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
5. The disk spun until the pressure of spinning and gravity made it get hotter and hotter until \_\_\_\_\_\_\_\_\_\_ began. This caused the birth of the Sun.
6. \_\_\_\_\_\_\_% of the proto planetary disk, or propyld, formed the rest of the Solar System.
7. Define accretion:

Take the Quiz

<https://www.khanacademy.org/partner-content/big-history-project/solar-system-and-earth/earth-and-form-solar-system/e/quiz--earth---the-formation-of-our-solar-system>

Watch [This Video](http://www.nationalstemcentre.org.uk/elibrary/resource/1922/birth-of-the-solar-system)

Based off of what you have learned, place the [pictures on this card](https://school.bighistoryproject.com/~/media/BHP_2014-15/PDF/Unit4/Worksheet_2014_CU4-0_PlanetCardSort_Student.pdf) in chronological order.

1.\_\_\_\_\_\_\_\_\_\_\_\_ 2.\_\_\_\_\_\_\_\_\_\_\_\_\_ 3.\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 4.\_\_\_\_\_\_\_\_\_\_\_\_

5.\_\_\_\_\_\_\_\_\_\_\_6.\_\_\_\_\_\_\_\_\_\_\_\_

[Watch this video](https://www.youtube.com/watch?v=dnH6qNinMRQ)

1. Why can we say that looking at stars is like looking into the past?