

# The Universe & The Stars

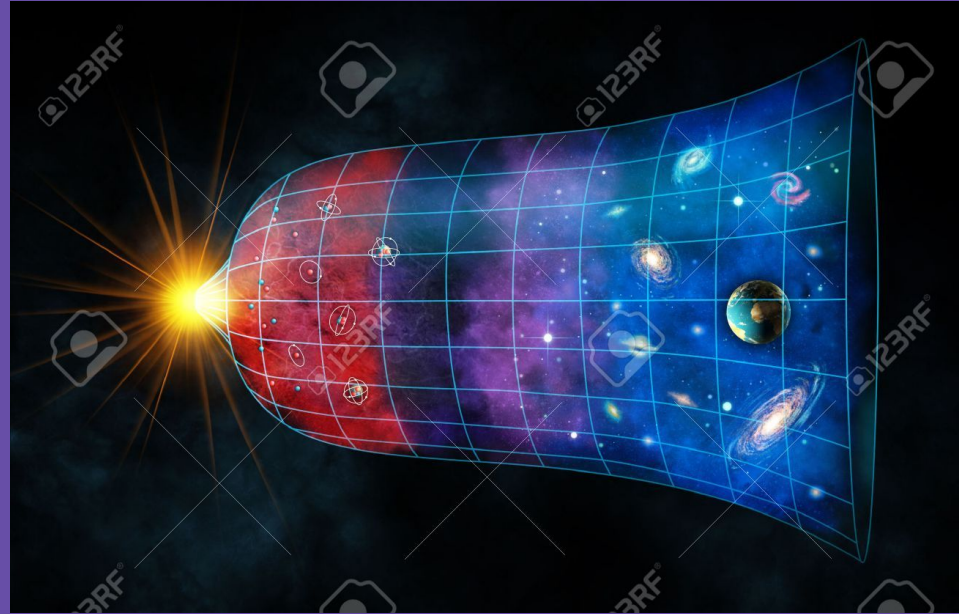
# The Universe

## Step 1: Video

<https://www.youtube.com/watch?v=wNDGgL73ihY>

## Step2: Answer the following

1. What is the Big Bang?
2. Were matter and energy equal as the Universe was forming?
3. Was there “light” from the beginning? If not, when was there finally light?
4. According to the video, what are we made of?



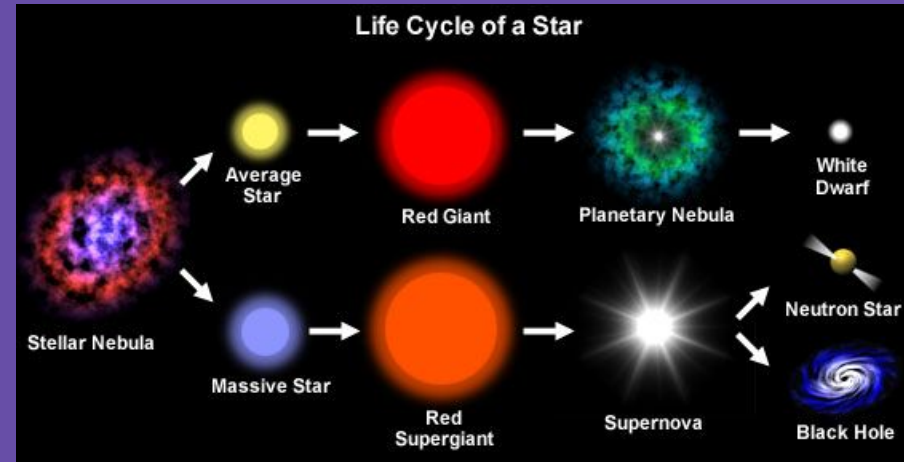
# The Life Cycle of a Star

Step 1: Video

<https://www.youtube.com/watch?v=PM9CQDIQI0>

Step 2: Answer the following

1. What elements are found in stars?
2. What is the source of energy in a star?
3. What's the difference between a nebula & a dwarf star?
4. Where are elements created in the Universe?



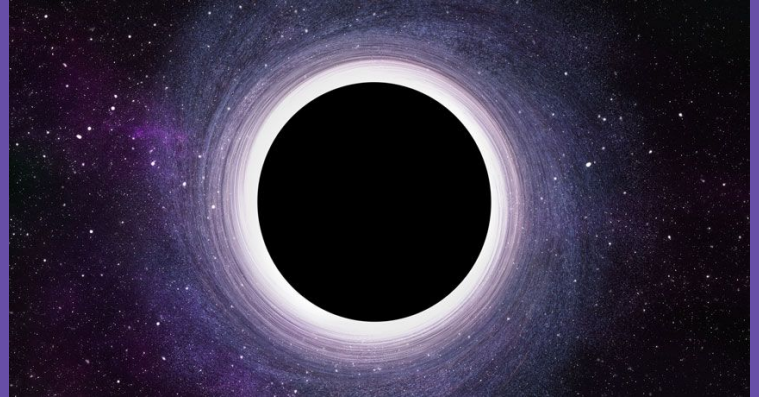
# Black Holes

Step 1: Video

<https://www.youtube.com/watch?v=e-P5IFTqB98>

Step 2: Answer the following

1. What forms black holes?
2. What is a Singularity?
3. What would happen if you fell into a black hole?



# The Future of Space Exploration

## Step 1: Video

<https://www.youtube.com/watch?v=unxroTyl16A>

## Step 2: Answer the following

1. List 5 of the 15 projects currently being worked on and briefly explain.
2. Identify 5 issues with space exploration (past or present)

