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

As you watch the each of the videos, answer the following questions:

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| **A Big History of Everything** | |
| Questions | Notes |
| What is the first Threshold of Big History, and why is it important?  [https://school.bighistoryproject.com/-/media/SchoolBigHistory/BHP_2014-15/Images/UnitThumbs/Unit2/CU2-BigHistoryOfEverything-H282512.png](https://drive.google.com/file/d/15RjBv2q65n4pYUGau1pideUqdME3KEIY/view?usp=sharing) | 1. **1.) 0:51** What is Big History’s first threshold, and what did it come from? 2. **2.) 2:19** What fundamental force appears after the Big Bang that is part of the forces that govern all existence forever? 3. **3.) 2:41** What could have gone wrong in the first few seconds of the Universe? 4. **4.) 2:56** Why is the Big Bang the first of eight thresholds? |
| Summary (What is the **BIG** idea presented in the video): | |

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| **Threshold 1: The Big Bang** | |
| Questions | Notes |
| What is the Big Bang, and why was it important?  [https://school.bighistoryproject.com/-/media/SchoolBigHistory/BHP_2014-15/Images/UnitThumbs/Unit2/CU2-1-4_Threshold1BigBang.png](https://drive.google.com/file/d/1MxDWiuX62IzkFYXDU89M91PJS6qzzIlT/view?usp=sharing) | 1. **1.) 0:15** When did the Big Bang happen? 2. **2.) 0:25** Why don’t we know the ingredients and Goldilocks conditions for the Big Bang? 3. **3.) 0:50** What raw materials did the Big Bang Provide? 4. **4.) 1:15** What forms did energy take after the Big Bang?   **5.) 1:20** What forms did matter take?   1. **6.) 1:30** Why does this matter (no pun intended)?   **7.) 1:40** What new complexity was created by the Big Bang? |
| Summary (What is the **BIG** idea presented in the video): | |

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| **Questions About the Big Bang** | |
| Questions | Notes |
| What questions are still left unanswered about the Big Bang?  [https://school.bighistoryproject.com/-/media/SchoolBigHistory/BHP_2014-15/Images/UnitThumbs/Unit2/CU2-1-6_QuestionsAboutBigBang.png](https://drive.google.com/file/d/1kxhZuEYJ-qqk4XyVEwrA-zWzJHMPnFZw/view?usp=sharing) | 1. **1.) 1:15** What evidence is there that the universe is expanding?   **2.) 2:15** What are some of the questions we still can’t answer about the Big Bang? |
| Summary (What is the **BIG** idea presented in the video): | |

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| **Electromagnetism** | |
| Questions | Notes |
| What is electromagnetism, and how have humans used it? | 1. **1.) 0:35** How far can a human voice travel before it runs out of energy?   **2.) 1:56** How can we extend our voices? |
| Summary (What is the **BIG** idea presented in the video): | |

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| **Jacqueline Howard Presents: Looking into the Past** | |
| Questions | Notes |
| What have humans learned about the universe? | 1. **1.) 0:48** How quickly does light travel?   **2.) 4:10** What evidence did Hubble have for the expansion of the universe?  **3.) 5:40** What is the significance of the Hubble eXtreme Deep Field?  **4.) 6:20** What is the goal of the James Webb space telescope? |
| Summary (What is the **BIG** idea presented in the video): | |