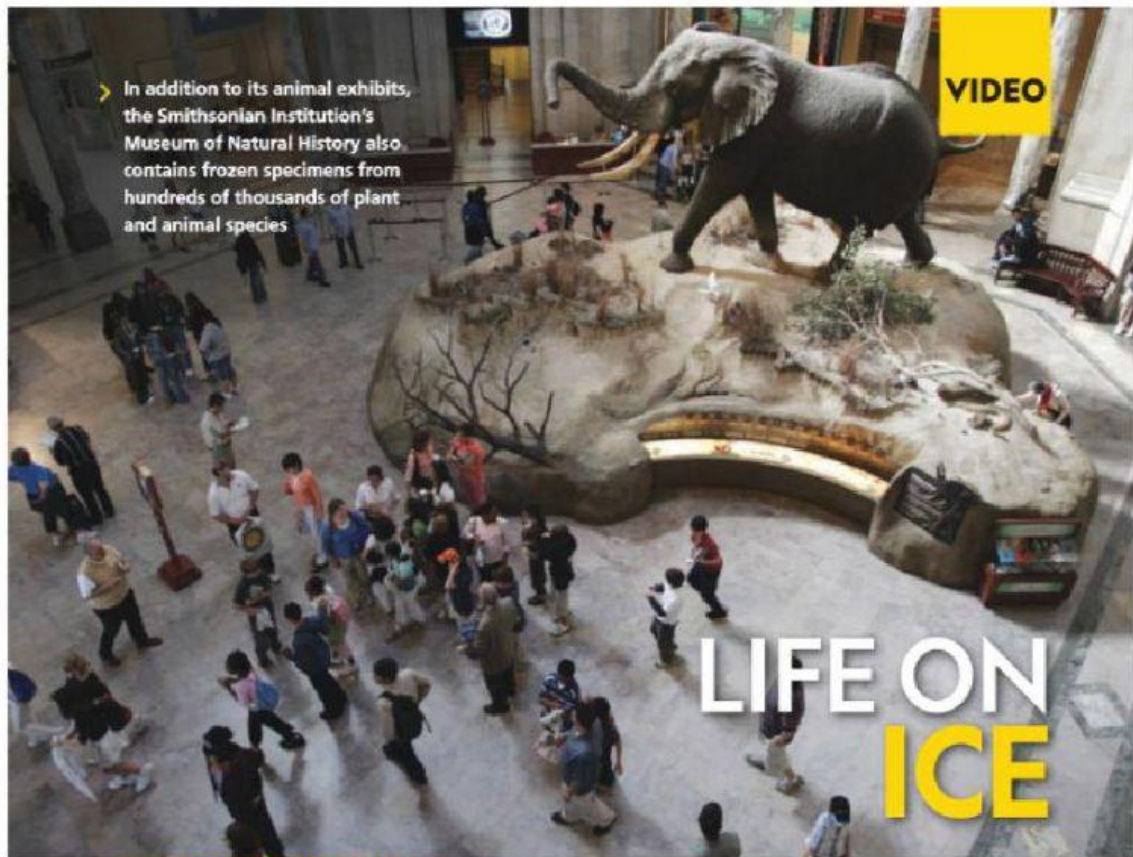




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Aii Language Center

A Mengly J. Quach Education School



BEFORE YOU WATCH



DEFINITIONS

A. The words in **bold** appear in the video. Match each one with its definition. Use a dictionary to help.

- | | | |
|-----------------------------|---|---------------------------------------------------------------------------|
| 1. archive | • | a. happening very quickly |
| 2. genome | • | b. a process or system used to produce a result |
| 3. ecology | • | c. detailed and complicated in design |
| 4. plunge | • | d. a complete set of genetic material in an organism |
| 5. instantaneous | • | e. a place where historical records are kept |
| 6. elaborate | • | f. to thrust or throw forcefully into a substance |
| 7. mechanism | • | g. a test of excellence used to judge other things by |
| 8. the gold standard | • | h. the study of the relationships between organisms and their environment |



PREVIEWING

B. Look at the photo and read the caption. Then discuss the questions with a partner.

1. Why do you think researchers might be interested in storing frozen specimens?
2. How do you think they store the specimens?

Video 137



SUMMARIZING

B. Watch the video again. Complete the summary using no more than three words for each answer.

According to scientist Jonathon Coddington, much of biology over the next few decades will involve ¹ _____ of the many kinds of life on Earth. Frozen specimens, such as those at the Smithsonian, are extremely useful for this.

Coddington collects and creates the frozen specimens using ² _____. The method is fast and ³ _____ for the animals. It also allows the specimens to be preserved for an extremely long time. Spiders are just one example of a species Coddington and his team have collected. Scientists who study the spider specimens will be able to learn more about the ⁴ _____ they produce.

Amy Driskell sees the collection of frozen specimens as just an extension of more traditional methods, such as keeping specimens in ethanol, or ⁵ _____ them. The frozen tissue collection now has around ⁶ _____ samples, and this will provide great support for future scientific research.