

# Scientists Propose Lunar Storage

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Scientists have a new plan to save animals and plants from **extinction**. They want to build a special **vault** on the moon. This vault will store **samples** of many **species**. **Climate change** and **habitat loss** are putting many species in danger. The moon vault will keep these samples safe. The idea is similar to the Svalbard seed vault in Norway, which stores seeds. But the Svalbard vault had problems with **flooding**.

Dr. Mary Hagedorn says that the moon vault will be safe from floods and wars. The moon is very cold, so the samples will stay **frozen**. This helps in **preserving** the cells needed for **cloning**. Cloning can help bring back extinct species. Building the moon vault will take time and money, but Dr. Hagedorn believes it is possible. The scientists hope this idea will make people think about new ways to protect our planet's **biodiversity**.

## Vocabulary and Definitions

1. **Extinction**: When a species no longer exists.
2. **Vault**: A secure room or space for storing valuable things.
3. **Samples**: Small parts or quantities taken for testing or analysis.
4. **Species**: Groups of living organisms that can reproduce with each other.
5. **Climate change**: Long-term changes in temperature and weather patterns.
6. **Habitat loss**: The destruction of natural environments where species live.
7. **Flooding**: Overflowing of water onto land that is normally dry.
8. **Frozen**: Turned into ice; very cold.
9. **Preserving**: Keeping something in its original state.
10. **Cloning**: Creating an exact copy of an organism.
11. **Biodiversity**: The variety of life in the world or in a particular habitat.

## Simple Discussion Questions

1. Why do scientists want to build a vault on the moon?

2. How is the moon vault different from the Svalbard seed vault?
3. What challenges do scientists face in building the moon vault?

## True or False Questions

1. Scientists want to build a vault on the moon to store animal and plant samples.  
(True/False)
2. The moon vault will use electricity to keep samples frozen. (True/False)
3. Dr. Mary Hagedorn thinks the moon vault will be cheap and quick to build.  
(True/False)

## Cloze Quiz

Scientists have a new plan to save animals and plants from \_\_\_\_\_. They want to build a special \_\_\_\_\_ on the moon. This vault will store \_\_\_\_\_ of many \_\_\_\_\_. \_\_\_\_\_ and \_\_\_\_\_ are putting many species in danger. The moon vault will keep these samples safe. The idea is similar to the Svalbard seed vault in Norway, which stores seeds. But the Svalbard vault had problems with \_\_\_\_\_.

Dr. Mary Hagedorn says that the moon vault will be safe from floods and wars. The moon is very cold, so the samples will stay \_\_\_\_\_. This helps in \_\_\_\_\_ the cells needed for \_\_\_\_\_. Cloning can help bring back extinct species. Building the moon vault will take time and money, but Dr. Hagedorn believes it is possible. The scientists hope this idea will make people think about new ways to protect our planet's \_\_\_\_\_.

## Quiz Answers

1. Scientists want to build a vault on the moon to store animal and plant samples.  
True
2. The moon vault will use electricity to keep samples frozen. False
3. Dr. Mary Hagedorn thinks the moon vault will be cheap and quick to build. False