

Think Outside the Book

8 Apply Think of something you

have observed or read about

that Interests you. Then, write a hypothesis about It.

variables. But you could set up a laboratory

would put similar plants in two chambers.

experiment to test your hypothesis. First, you

Both chambers would be cooled to the same

temperature. You would cover the plants in one

chamber with snow and leave the plants in the

other chamber without a snow cover. The snow

cover is the variable you want to test. You would try to keep all the other variables the same in

both chambers. For example, when you open

one chamber to pour snow on the plants, you

amount of time.

would keep the other chamber open for the same

hypothesis that could be tested by an experiment.

Mummies such as

preserved by the cold, dry climate of the Andes

Mountains in

Peru.

this one have been

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the type of tissue that was examined-whether

it came from a tooth or bone, for example. She

would also record the type of instrument used to

examine the tissue and the procedures that she followed. All of these details may be important

when she reports her findings. The information

will also help other scientists evaluate her work.

9 Identify What kind of data would you record for an experiment testing whether snow protects leaves

from cold temperatures?