

## Examples of Testable Questions

Question	Meets Criteria	Why
A tree is big.	No	This is an opinion statement, not a question
How tall is the tallest tree in the world?	No	This question can be answered by the internet or a book.
How many trees are in Colorado?	No	While this question is probably not answered by the internet, it is not setting up an experiment that will have variables that can be measured. This is also too large and something you could not do.
Will the amount of water effect how a tree grows?	No	While it will set up a possible experiment, it is a question answered by yes or no. You can also be more creative than watering a tree!
How many trees are necessary in the Waldo Canyon burn scar to prevent flooding during a heavy rain storm?	No	While this question sets up an experiment with variables that can be measured, the size of the project is impractical. It also poses a safety concern to the people living in that area.
How does soil from the Colorado Springs burn scar areas effect the growth of Ponderosa Pine?	Yes and No	This is an excellent question to investigate. It establishes an experiment with variables that can be measured and is something that could be done at home. The concern here is that Ponderosa Pine is a slow growing tree that may not show measurable change in only a few weeks.
How does soil from the Colorado Springs burn scar areas effect the growth of the Purple coneflower (Echinacea purpurea)?	Yes	You got it!!! This question is specific, leads to a set of variables and an experiment that can be performed with repetition in the time you have. It also shows that you did some basic research to locate a Colorado native wildflower would grow in the burn areas. BONUS, you even used the scientific name of the flower.