



## Inquiry Approaches

### Initial Inquiry

What is peer review?

Peer review is the process of having others review your work. It promotes the discussion and sharing of ideas, helps improve performance and maintain standards.

### Experimental Procedure Inquiry

While potassium nitrate is used in everyday items, why must you still be careful when handling it?

The quantity of potassium nitrate ingested is what dictates whether it is poisonous or not. Tiny quantities of potassium nitrate dissolved in a large amount of water can be used medicinally, but large quantities of potassium nitrate can be harmful.

Why does the paper burn along the potassium nitrate trail?

As long as the trail is initially given energy in the form of the hot needle, the potassium nitrate provides additional energy for the paper to burn. Without the potassium nitrate there is not enough energy for the paper to burn on its own.

### In-Depth Inquiry

Why is it important to say where you obtain information?

It is important to source information so that others who are reading your paper or watching your presentation can also find the information and verify whether it is correct or not. It makes the paper or presentation more credible and allows others to evaluate your conclusions.