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★ ★ ★ ★ ★
Keine Stimmen

The experiment with fire



If glycerine is added to potassium permanganate, it ignites spontaneously after a while. Numerous biblical passages with fire can be illustrated with this.

Material:

- Potassium permanganate KMnO4 (if possible, grind well with a mortar beforehand)
- Glycerine C3H8O3 (at least 99 %)
- Refractory base
- Mortar (if possible)

Experiment:

About a tablespoonful of potassium permanganate is placed on a fireproof base, a small pit is made in the middle of the crystals and filled with glycerine. After a while, a small amount of smoke begins to develop, followed by spontaneous combustion. Depending on the amount of potassium permanganate and glycerine, the flame lasts a few seconds or a little longer.



A good tablespoon of potassium permanganate is placed on the fireproof base



Some time after the addition of glycerine, a little smoke rises. Now full attention is required!



The flame is here!



Biblical interpretation:

The experiment serves to view:

2.Exodus 19:18: *And all Mount Sinai smoked, because the LORD came down upon the mountain in fire; and the smoke went up as the smoke of a furnace, and the whole mountain quaked greatly.*

2.Exodus 22:5: If a fire breaks out and seizes the thorns and burns up a sheaf or the grain that is still standing or the field, then whoever kindled the fire shall make restitution.

2.Exodus 24:17: And the glory of the LORD was like a devouring fire on the top of the mountain before the Israelites.

2.Exodus 32:20: And he took the calf which they had made, and melted it in the fire, and ground it to powder, and scattered it upon the waters, and gave it to the children of Israel to drink.

As there are many passages with fire, there are many other possibilities for interpreting this experiment.

Keywords:
Fire, Chemistry, Chemical experiments, Experiments

Proof of source

Cover picture: Markus Sigrist
Game idea: With the kind permission of BESJ (Bund Evangelischer Schweizer Jungscharen), slightly modified by Markus Sigrist

Weitere Informationen

Tags
Chemistry
Experiment
Fire
Bible
Dedication

Age
from the age of 16

Number of participants
No data available.

Bible
Topic:

Terrain / surroundings
In enclosed spaces
City
Forest
Meadow

Material
Almost effortless

File download
No file downloads

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Tags

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