

The reaction of copper with sulphur

What you need

Apparatus

- ① test-tube
- ② test-tube holder
- ③ spatula
- ④ Petri dish
- ⑤ gas burner

Substances

- ⑥ sulphur powder
- ⑦ copper powder



Procedure

Mix the same amount of sulphur and copper powder in a Petri dish.
Fill the mixture 0.5 cm high in a test tube.
Carefully heat the test tube with the gas burner.
If the mixture starts glowing, stop heating.

Observation

☒ Combine the parts of the sentences with each other.

Before heating the mixture...

...the mixture starts glowing.

When it is heated...

...you can see a black solid in the test tube.

After taking away the burner and cooling ...

...you can see brown and yellow parts in it.

Conclusion

a) ☒ Fill in the blanks: **copper sulphide, copper, chemical reaction, sulphur**

When _____ and _____ are mixed and heated in a test tube a
_____ takes place. A new substance is formed:

_____ .

b) ☒ Write the reaction scheme:

_____ + _____ → _____

(reactants)

react to form

(product)

Words: **amount** - Menge