



2. Slow Match

Reporter: Vlad Grazhdannikov

Opponent: David Fankhauser

Team Russia-Maximum

Team Switzerland

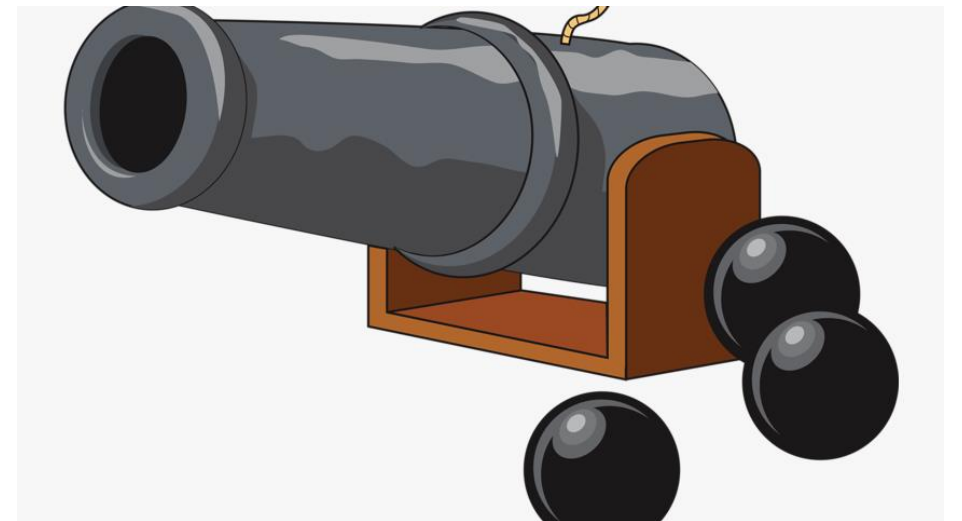




Task

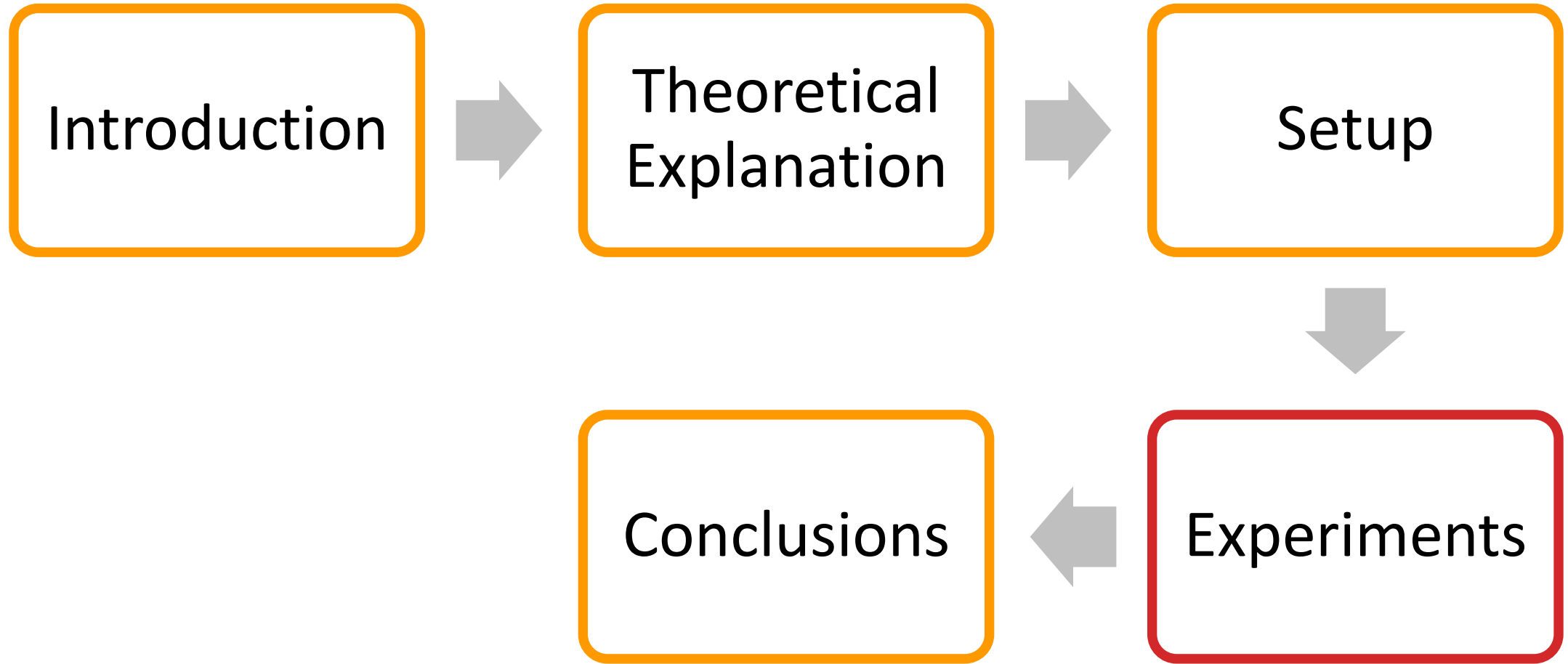
A cord in which the flame front propagates with a **constant low speed** has been important to ignite cannons. Produce such cords and investigate their **burn rates and other properties**.

- **Constant speed**
- **Low speed**
- **Properties**
 - **Burn rates**






Outline



 Well done

 Good

 Work on



Explanation of Theory

- Understanding of chords
- Homemade gunpowder
- No explanation of combustion meaning
- Measurements
 - Rate?
 - Length of chord?
 - Quantitative results?
- No answered questions



Discussion Topics

Gunpowder Production

- Materials
- How much

Quantitative Data

- Cord/chemical impact
- Burn rate

Combustion

- Definition?



Discussion



