

Name: _____

Period: _____ Date: _____

Special Processes of an Ideal Gas

<http://www.walter-fendt.de/ph14e/gaslaw.htm>

Procedure:

1. Select **Isobaric process** on the right. (*Isobaric* means the system stays at constant pressure.)
2. Click **Initial state**.
3. Click **Start**.
4. Repeat for **Isochoric process** and **Isothermal process**. (*Isochoric* means the system stays at constant volume. *Isothermal* means the system stays at constant temperature.)

Observe:

For each of the three processes, what is the law associated with that process?

Isobaric:

Isochoric:

Isothermal:

On the graphs, what does a vertical line mean?

On the graphs, what does a horizontal line mean?