Objective: How do temperature and pressure affect density?

Quiz Friday!!
X-help = Thursday
HW-Practice Problems handout
Objective: Describe how temperature and pressure affect density.

**Temperature:**
- As temperature increases, what happens to:
  - Mass: __________
  - Volume: __________
  - Density: __________

**Pressure:**
- As pressure increases, what happens to:
  - Mass: __________
  - Volume: __________
  - Density: __________
Period 9: Take out yesterday’s notes on Density and Temperature and continue with the information below.

Conclusion: Heang an object increases its volume; which increases its density.

How does pressure affect Density ??? Look at the boxes.

As Pressure Increases, what happens to:

- Mass shows the same,
- Volume decreases,
- Density increases.

State the graphic relationships (direct/indirect):

1. Temperature ↑ : Density ↑
2. Pressure ↑ : Density ↑
3. Volume ↓ : Density ↓
4. Temperature ↑ : Volume ↑
5. Pressure ↑ : Volume ↓
Finish for Homework!

1. **1. Changes in Density**
   - Describe the relationship between temperature and density.
   - Explain the concept of phase changes.
   - Relate the change in density to phase changes.

2. **2. Pressure**
   - Identify the relationship between pressure and density.

3. **3. Volume**
   - Explain the relationship between volume and density.

4. **4. Conclusion**
   - Summarize the key points discussed in the previous sections.