

Lesson 12.1 Exit Ticket

Why did the balloon appear to shrink? Be specific! Talk about what is happening inside AND outside the balloon. Include information about the molecules' energy level, number of collisions, speed and spacing.

If the balloon is shrinking, then the air inside it must be COLDER or HOTTER than the air outside the balloon?

Molecules INSIDE the balloon:

- Energy level: high or low?
- Number of collisions: many or few?
- Speed: fast or slow?
- Spacing: close or far apart?

Molecules OUTSIDE the balloon:

- Energy level: high or low?
- Number of collisions: many or few?
- Speed: fast or slow?
- Spacing: close or far apart?

Using all the information above, write your answer in paragraph form below. Remember, the question is, **“What caused the balloon to shrink?”**