Explain what was happening to the number of gas molecules, temperature, and pressure, and WHY for each step. If you don't explain why, you don't credit

1) **Ms. Kim put a little water in a flask and put it on the hot plate until it was releasing steam.**

Number of gas molecules:

Temperature:

Pressure (compared to the outside pressure):

WHY?

2) **Ms. Kim put a balloon over the mouth of the flask. It initially inflated a bit.**

Number of gas molecules:

Temperature:

Pressure (compared to the outside pressure):

WHY?

3) **Ms. Kim put the flask in ice water. The balloon got "sucked" into the flask.**

Number of gas molecules:

Temperature:

Pressure (compared to the outside pressure):

WHY?