3. Particles in Motion - Investigate

Investigate

Exit Ticket

100%

سطح المكتب

مشم...

Select the correct answers.

Which of the following scientifically explains why the balloon expands when the bottle is placed in the bowl of hot water?



- ☐ The particles increase in size.
- ☐ The particles move with less kinetic energy.
- ☐ The particles increase in volume.
- ☐ The space between the particles decreases.
- ☑ The space between the particles increases. ✓
- ☑ The particles move with more kinetic energy. ✓

Drag and drop the correct option to complete the sentence.

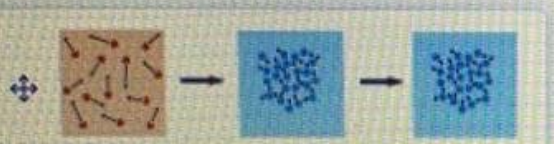
The bottle with the balloon is placed in bowls of water in this order:

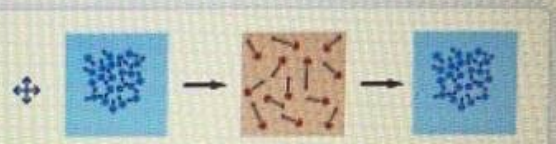


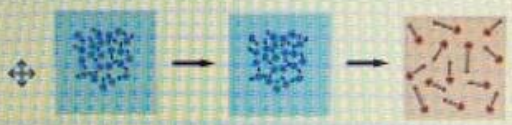
hot water ⟶ cold water ⟶ hot water

Which image best represents what happens to the particles in the bottle?

1. 







1. 

« سطح المكتب مشمـ...

Drag and drop the correct option to complete the sentence.

When the bottle with the balloon was placed in the bowl of cold water, the balloon

1. contracted ✓ .



expanded | moved with greater kinetic energy | remained unchanged

1. contracted ✓