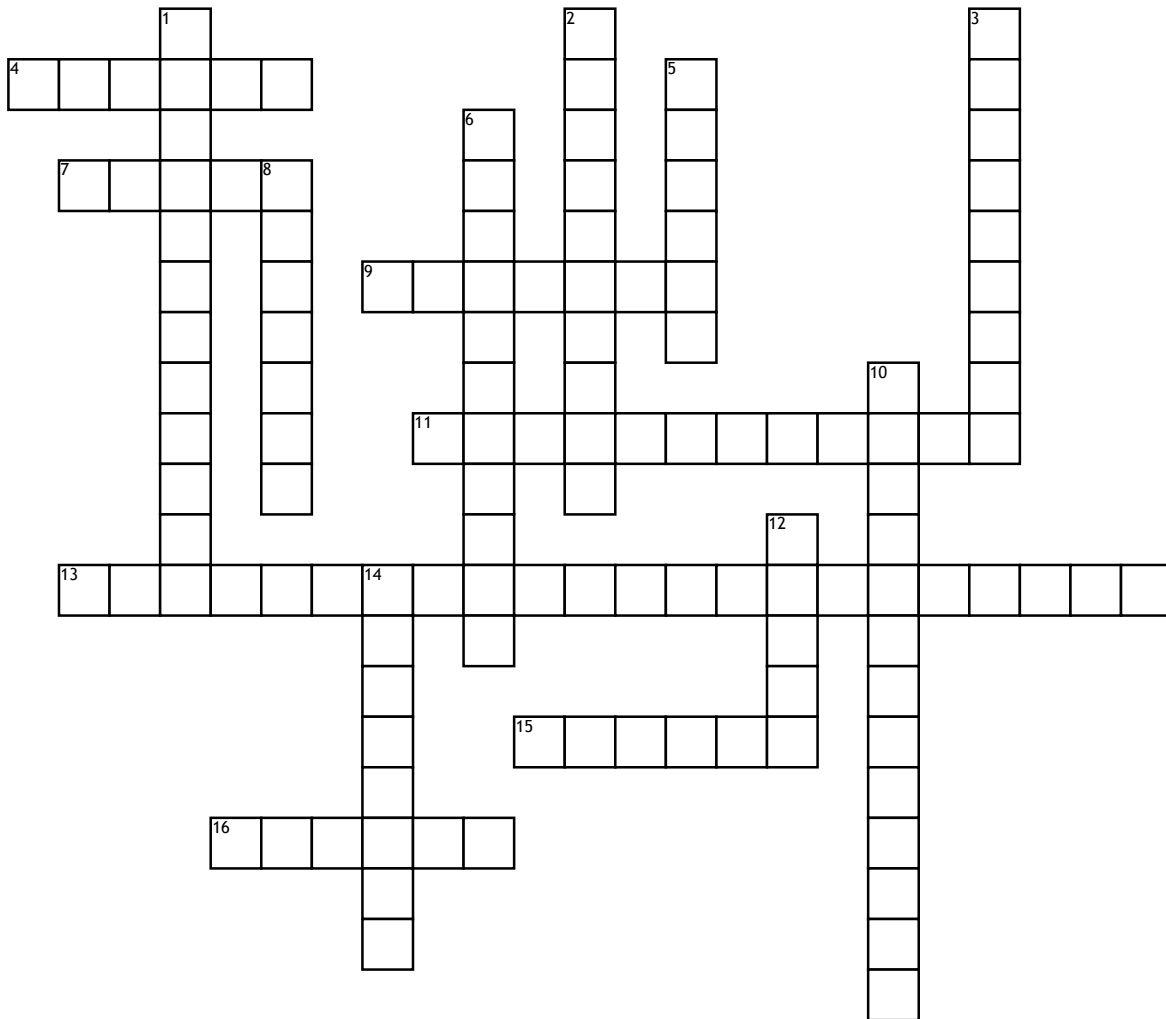


# KMT and States of Matter



**Across**

- 4. Explanation based on observations and evidence
- 7. Something that represents or helps to explain something else
- 9. the change of state from a solid to a liquid is called
- 11. the change from a liquid to a gas is called
- 13. Explains the behaviour of matter based on the concept that all matter is made of particles

15. Have closely packed particles that can only vibrate

16. more energy causes the particles in a substance to

**Down**

- 1. the change from a gas to a liquid is called
- 2. the change from a gas to a solid is called
- 3. the movement of one substance through another is called
- 5. Increasing temperature increases the amount of

6. the change from a solid to a gas is called

8. have particles that slide past one another

10. The energy of motion is called

12. have particles that move randomly and have lots of space between them

14. a loss of energy will cause particles to