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Thank you for supporting us. And, we look forward to helping you with your teaching practice. Please feel free to reach out to us if you have any questions or suggestions.

Sincerely,

Kent
REAL Science Challenge Founder
Science Department Head (Burnaby South Secondary)

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POE Ai Prompt

Create three different word games for students of three different levels of competency: beginner, intermediate, and advanced. The word games will help review the following words: solid, liquid, gas, melting, freezing, condensation, evaporation, sublimation, deposition.

POE Response

Assistant Poe

...

Sure! Here are three word games of varying difficulty levels to review the words you provided:

Beginner Level: Word Scramble

Objective: Unscramble the letters to form words related to states of matter.

Instructions:

1. Rearrange the letters given for each word to form a word related to states of matter.
2. Write down your answers on a separate sheet of paper.
3. Once you've unscrambled all the words, compare your answers with the correct answers provided below.

Intermediate Level: Crossword Puzzle

Objective: Fill in the crossword puzzle with words related to states of matter.

Instructions:

1. Read the clues provided for each word.
2. Write the corresponding word in the crossword puzzle.
3. Each word should fit both horizontally and vertically.
4. Compare your answers with the correct answers provided below.

Advanced Level: Word Association

Objective: Associate each word with its corresponding definition.

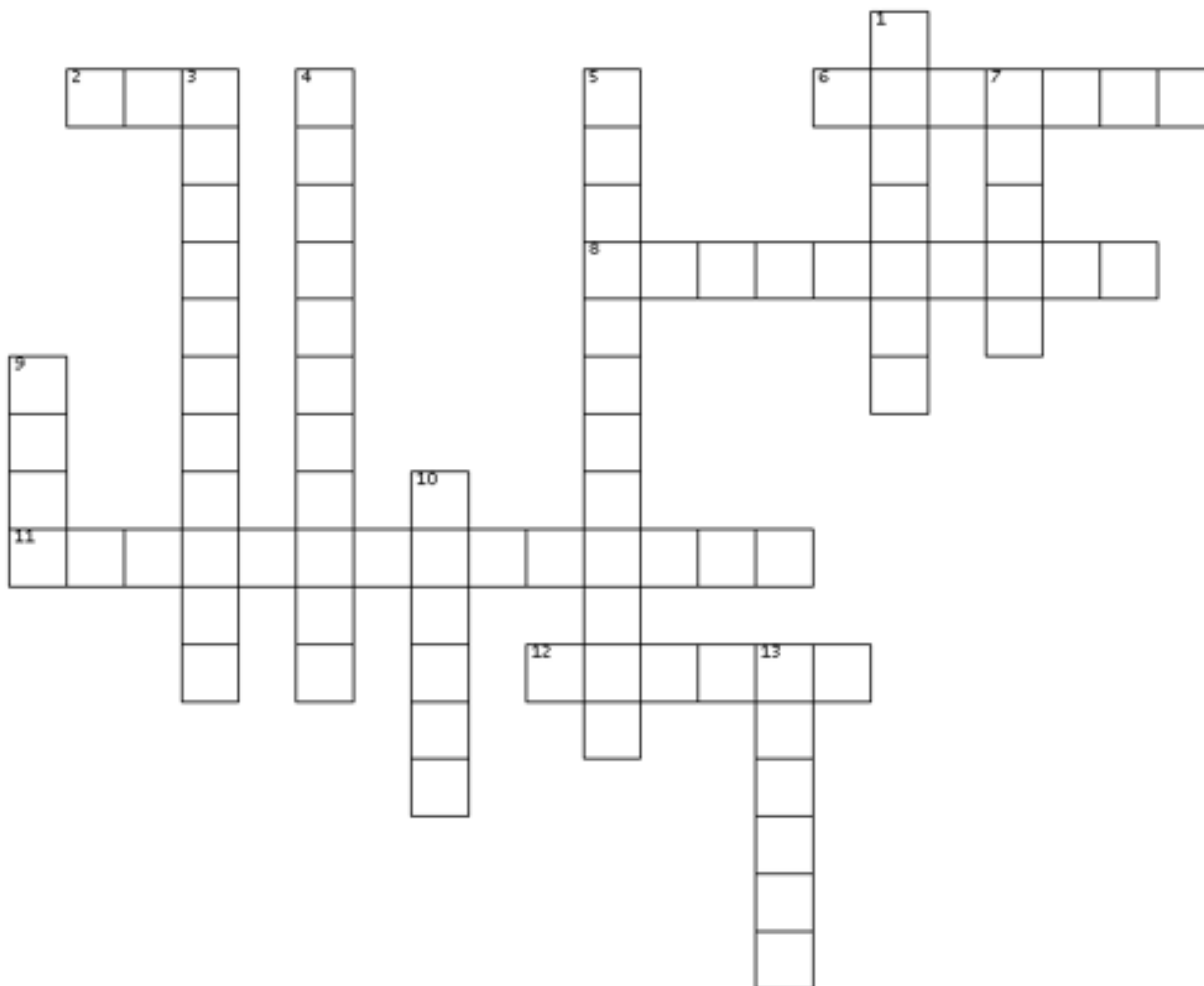
Instructions:

1. Read the definitions provided for each word.
2. Write down the corresponding letter of the definition next to each word.
3. Compare your answers with the correct matches provided below.

REVIEW: WORD SCRAMBLE

1. VPIETRNAOOA
2. SODIL
3. ARTTEM
4. YNISTDE
5. QJDULI
6. AGS
7. INETMLG
8. RCOOTTANCIN
9. NNDNIAEOTCOS
10. NIEOSOPDTI
11. SMSA
12. FDNIOATISIILC
13. OVEMUL
14. BNULSAOMIIT
15. EOPANNISX

REVIEW: CROSSWORD



ACROSS

- 2. state of matter with flexible volume and shape
- 6. the mass of a given volume
- 8. the process of changing state from gas to solid
- 11. the process of changing state from liquid to solid
- 12. the amount of space taken up by a substance or object

DOWN

- 1. the process of changing state from solid to liquid
- 3. the process of changing state from solid to gas
- 4. the process of changing state from liquid to gas
- 5. the process of changing state from gas to liquid
- 7. state of matter with fixed volume and shape
- 9. the amount of matter in a substance or an object
- 10. state of matter with fixed volume and flexible shape
- 13. anything that has mass and volume

REVIEW: States of Matter Word Association

Objective: Associate each word with an everyday example or scenario.

Instructions

1. Read the word association prompts provided for each word.
2. Write down the corresponding letter of the example or scenario next to each word.

Word Association Prompts

- A. Thawing out a frozen turkey before cooking it. _____
- B. Water freezing to form icicles on a winter morning. _____
- C. Steam rising from a boiling pot of water. _____
- D. Water droplets forming on a cold drink glass. _____
- E. Dry ice sizzling and producing a smoky effect when placed in water. _____
- F. Frost accumulating on a windowpane during winter. _____
- G. A rock or a hard candy that doesn't change shape. _____
- H. Pouring a glass of water that takes the shape of the container. _____
- I. The invisible air around us that we breathe. _____

Word List

Solid
Liquid
Gas

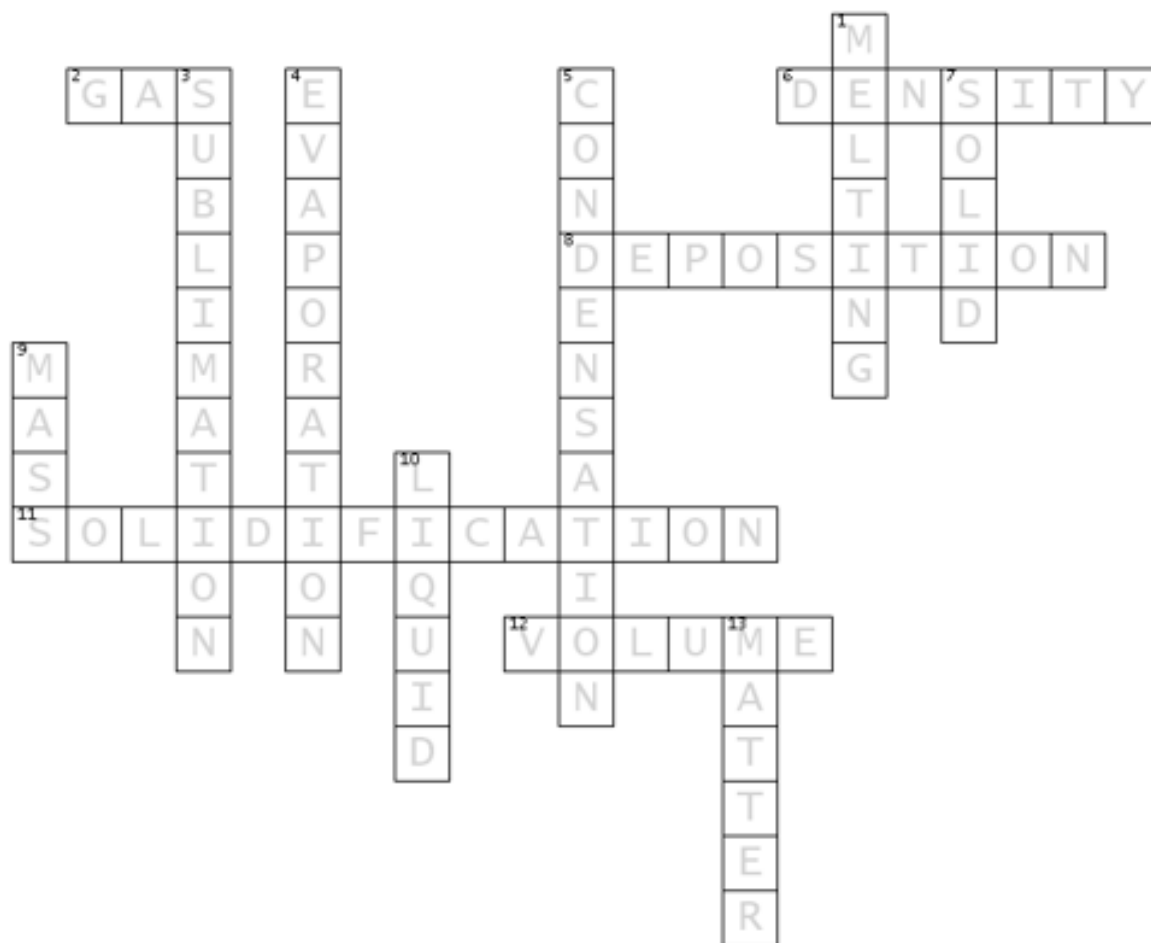
Melting
Solidification
Condensation

Evaporation
Sublimation
Deposition

WORD SCRAMBLE KEY

1. evaporation
2. solid
3. matter
4. density
5. liquid
6. gas
7. melting
8. contraction
9. condensation
10. deposition
11. mass
12. solidification
13. volume
14. sublimation
15. expansion

CROSSWORD KEY



Word Association Prompts KEY

A.	Thawing out a frozen turkey before cooking it.	Melting
B.	Water freezing to form icicles on a winter morning.	Solidification
C.	Steam rising from a boiling pot of water.	Evaporation
D.	Water droplets forming on a cold drink glass.	Condensation
E.	Dry ice sizzling and producing a smoky effect when placed in water.	Sublimation
F.	Frost accumulating on a windowpane during winter.	Deposition
G.	A rock or a hard candy that doesn't change shape.	Solid
H.	Pouring a glass of water that takes the shape of the container.	Liquid
I.	The invisible air around us that we breathe.	Gas