

Freezing Point Comparison For Kids

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Question1: Water vs. Olive Oil

Water freezes at 0 °C
Olive oil freezes at -6 °C

Question2: Water vs. Saltwater

Water: 0 °C
Saltwater: -2 °C to -21 °C (depending on salinity)

Question3: Mercury vs. Water

Mercury: -38.8 °C
Water: 0 °C

Question4: Ethanol (alcohol) vs. Water

Ethanol: -114 °C
Water: 0 °C

Question5: Milk vs. Juice

Milk: -0.5 °C
Orange juice: -1.5 °C

Question6: Blood vs. Water

Blood: -0.5 °C
Water: 0 °C

Question7: Butter vs. Coconut oil

Butter: 32 °C
Coconut oil: 24 °C

Question8: Honey vs. Water

Honey: -20 °C to -50 °C (depends on water content)
Water: 0 °C

Question9: Petrol (gasoline) vs. Diesel

Petrol: -60 °C
Diesel: -10 °C to -20 °C

Question10: Antifreeze (ethylene glycol) vs. Water

Antifreeze: -37 °C
Water: 0 °C

Question11: Chocolate syrup vs. Ice cream

Chocolate syrup: -20 °C
Ice cream: -5 °C

Question12: Glycerin vs. Water

Glycerin: -46 °C
Water: 0 °C

Question13: Maple syrup vs. Water

Maple syrup: -15 °C
Water: 0 °C

Question14: Lemon juice vs. Cola

Lemon juice: -2 °C
Cola: -1 °C



Answers

1. Water will freeze first.

2. Saltwater stays liquid below 0 °C.

3. Water freezes much sooner than mercury.

4. Ethanol stays liquid even in extreme cold!

5. Milk freezes slightly sooner.

6. Blood freezes just below water.

7. Coconut oil hardens at room temperature; butter melts faster.

8. Honey resists freezing!

9. Petrol stays liquid in colder temperatures.

10. Antifreeze prevents freezing in car engines.

11. Ice cream freezes first; syrup stays pourable longer.

12. Glycerin is used to stop freezing.

13. Syrup freezes much later than water.

14. Cola freezes slightly faster.