

## **Answer Key**

Each question is worth 5 points each.

---

1. Ice impels planes by deforming the shape and **aerodynamics** of the wings.
2. Propylene Glycol can reduce the freezing point of moisture on surfaces to what degree?  
**-60F**
3. Where is the fastest ice in the world?  
**Utah Olympic Oval in Salt Lake City**
4. How many G Forces can an athlete experience?  
**4 to 5**
5. How long do the cans stay in the dip tank?  
**Approximately 60 seconds**
6. How cold is dry ice?  
**109F below 0F**
7. How many gallons of water would there be if melted the ice found at Mars's poles?  
**12,000 quadrillion gallons**
8. What does the word "clathrate" mean?  
**Cage**
9. Clathrates produce methane **23** times more potent than carbon.