

# Final Class Worksheet

## Drones and Planes

1. When was the first **heavier than air powered flight**?
2. What was the name of the first practical Helicopter?
3. How did the Wright brothers die?
4. Why does a helicopter need a tail rotor?
5. How do you think drones combat the effect that occurs in question 4?
6. What are the three main forces acting on planes and other flying objects?
7. If a plane is flying to the left, (as in, when we draw it in 2D), what direction are each of these forces in?
8. What is Bernoulli's law about fluids in motion?
9. Describe what this means for an airplane wing.
10. Are helicopters fixed wing aircraft?
11. What is meant by a 'Tiltrotor'?
12. What was your favorite memory of the class?