

Week #2

Answers found p4-7,58,59
All About Aircraft and Flight

Homework Motion/Flight Unit

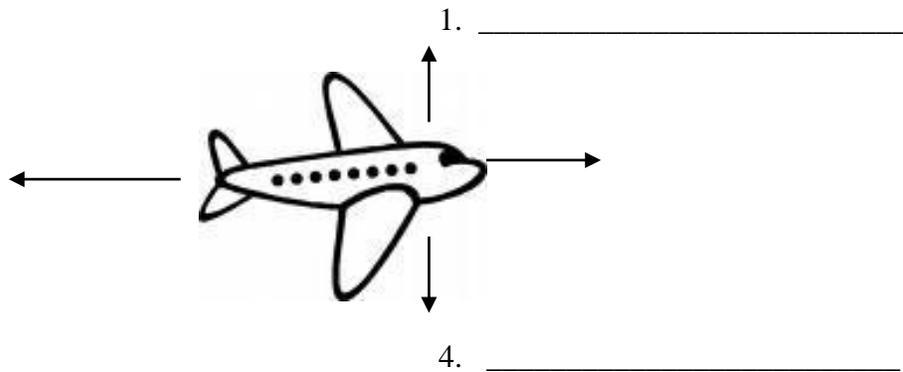


1. When you think of flight, what animals come to mind? _____

2. What body part do the animals listed in number one have in common? _____
3. Why does a balloon filled with helium float up into the air?

4. Airplanes have wings like birds to hold them up into the air, but they also have

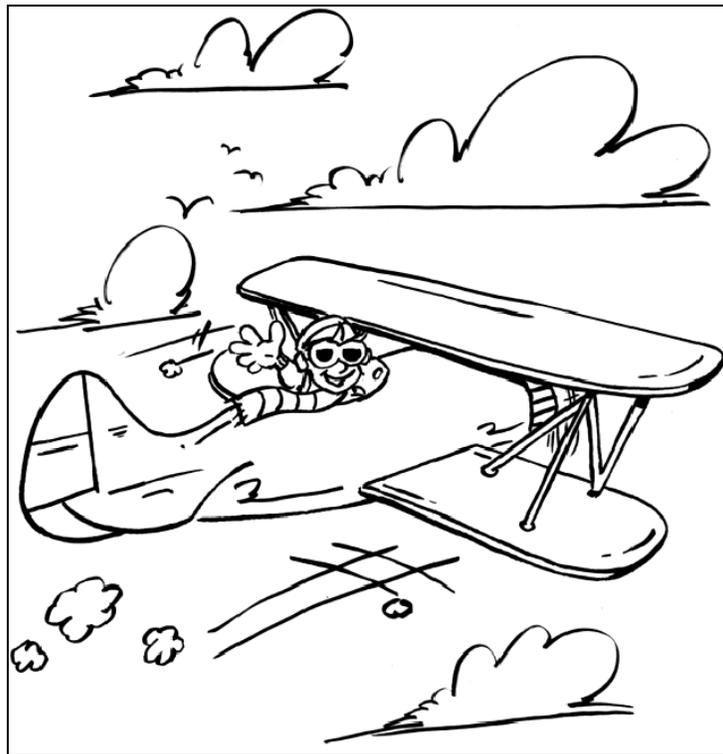
5. Flapping provides a force called _____ that moves a bird forward through the air.
6. Label the following four forces:



7. To fly, airplanes need engine power to provide _____ and push it forward.
8. Friction against the rushing air produces _____ which holds the airplane back.
9. _____ from the wings holds the airplane up.
(Please turn over)

10. The airplane's _____ pulls it down.
11. Who were the first people to fly by using kites? _____
12. What year did Orville and Wilbur Wright make the first powered, controlled flight?

13. What is the name of the Italian artist and inventor that drew many designs for flying machines about 500 years ago? _____
14. In 1927, American Charles Lindberg was the first person to fly alone across the Atlantic Ocean in his monoplane named _____.



Great Job on your homework!!

*Answers: Please check your work for accuracy **after** you have attempted all of the questions.*

1. insects, birds, bats 2. Wings 3. Helium is lighter than air 4. Engines 5. Thrust
6. 1)lift 2. drag 3. thrust 4. Weight
7. thrust 8. Drag 9. Lift 10. Weight 11. Chinese 12. 1903 13. Leonardo da Vinci 14. The Spirit of St. Louis

