Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Bill Nye: Flight**

1. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**makes things fly.
2. Air moving over wings creates **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
3. Air going below the wings to moving **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** compared to the air moving above the wing.
4. The slower moving air creates an **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** in air pressure below the wings creating lift.
5. What causes the balloon to expand and give them shape? **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
6. How do planes get air moving quickly over their wings? **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
7. To be a pilot you need to take a lot of **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** and **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** courses in school.
8. The pressure of moving air is called **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
9. Scientists test airplane wings in **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
10. Planes take off and land **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
11. Helicopters work the same way as planes, they both use differences in **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** to **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Name \_\_\_ANSWER KEY\_\_\_

**Bill Nye: Flight**

1. **AIR PRESSURE** makes things fly.
2. Air moving over wings creates **LIFT.**
3. Air going below the wings to moving **SLOWER** compared to the air moving above the wing.
4. The slower moving air creates an **INCREASE** in air pressure below the wings creating lift.
5. What causes the balloon to expand and give them shape? **AIR PRESSURE**
6. How do planes get air moving quickly over their wings? **ENGINES MOVE THE PLANE FORWARD**.
7. To be a pilot you need to take a lot of **SCIENCE** and **MATH** courses in school.
8. The pressure of moving air is called **DYNAMIC PRESSURE.**
9. Scientists test airplane wings in **AIR TUNNELS.**
10. Planes take off and land **INTO THE WIND.**
11. Helicopters work the same way as planes, they both use differences in **AIR PRESSURE** to **CREATE LIFT.**