

Name ANSWERS Date _____ Period _____

Bill Nye- Fluids

- Fluids flow, like water.
- Everything we touch is either a solid, liquid, or a gas.
- Liquids and gases are fluids.
- We can move through fluids, like swimming.
- The marbles are like molecules of a fluid.
- Fluids are warm, that's why they rise. Then, they sink when they cool.
- When a solid passes through a fluid there is aerodynamic drag (air resistance) (friction).
- Biking helmets are shaped to reduce drag.
- The shape of an object has a large effect on the resistance on it.
- How can big, heavy planes fly? The air gets pushed back by the large fans. Air is pushed backward and down while the plane is pushed forward and up.
- Convection makes the wind blow and ocean currents.
- Hot fluids rise up above colder fluids.
- Warmer fluids have faster moving molecules. **** farther apart too!**
- Surface tension holds water together.
- The viscosity of a liquid refers to how thick it is; how easily it flows.
- When things rub together there is friction.
- NOW! Fluids can change shape, flow, and circulate.
- What is Bill in at the end of the show? in a hot air balloon.