**Vocabulary: Ants on a Slant (Inclined Plane)**



**Vocabulary**

* Friction – a force that works to stop motion.
	+ Friction is caused by the tendency of surfaces to stick together.
	+ Sliding an object tends to create far more friction than rolling an object.
	+ Friction causes work to be wasted as some energy is converted to heat.
* Inclined plane – a slanted, smooth surface.
* Work – the transfer of energy.
	+ When an object is lifted, energy is being transferred to it.
	+ A golfer hitting a golf ball transfers energy to the ball, so that is a form of work.
	+ The amount of work done to an object is equal to the force applied multiplied by the distance it moved.