

Date

T: use a virtual investigation to find out about magnets and spring

For all your answers you need to:

- use some of the words in box
- use the word 'because'

push	pull	force	attract	repel	like
unlike	magnetic	north pole	south pole	further	
strong / er	weak / er	closer	more	less	

- 1) How far does the magnet travel when you pull the spring all the way back to the red light? Why?
- 2) What happens when you only pull the magnet back to the yellow light? Why?
- 3) Can the magnet pick up the key? Why / why not?
- 4) Can the magnet pick up the can? Why / why not?
- 5) Can the red **and** the white side of the magnet both pick up the paper clip? Why / why not?
- 6) What happens when you try to pick up the magnet, with the red sides of both magnets near each other? Why?
- 7) What happens when you try to pick up the magnet, with the red side of one magnet near the white side of the other magnet? Why?
- 8) Does the small magnet need to be closer to the screwdriver in order to attract it than the big magnet needs to be? Why / why not?
- 9) Does the small magnet need to be closer to the magnet than the big magnet needs to be in order to repel it? Why / why not?