

Getting ready for Biology!

The human heart

Answer these questions using what you know about the human heart.

Where is the heart found in your body?

What does the heart do?

Your pulse measures how many times your heart beats in one minute. Your pulse goes up when you exercise.

- Record your pulse when you are resting, and fill in the table.
- Now jog on the spot or do star jumps for two minutes.
- Measure your pulse again and fill in the table.

Resting pulse (beats per minute)	Pulse after exercise (beats per minute)

What is the effect of exercise on your pulse rate? Use your table to help you decide.

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Getting ready for Chemistry!

Sugar or salt?

In this activity you will plan and do an investigation to answer this question: **Can you dissolve more sugar, or more salt, in a glass of water?**

My plan

- Complete the table.

Variable	Will I change it or measure it or keep it the same?
substance (sugar or salt)	
amount that dissolves	
volume of water	
temperature of water	

- Write down what you will do.

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My results

Substance	
Sugar	
Salt	

What I found out

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Getting ready for Physics!

Forces

Some types of force slow us down when we are moving. Fill in the blanks, using the words below:

water resistance air resistance drag

- A force that slows me down when I run is
- A force that slows me down when I swim is
- A force that slows me down when I cycle is

The Moon

Watch the moon every night for a week. Write down what it looks like each day. Think about its shape, and brightness.

Day	How the Moon looks
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	

Magnets



List some objects that are magnetic and some that are not.

Magnetic

Not magnetic

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Dormers Wells High School: Science

