

## Activity 2 – Worksheet

Use this worksheet to record your findings when you test each of the solutions. Make sure you record why these changes take place.

<b>Solution</b>	<b>pH</b>	<b>Explain why it changes</b>
<b>Neutral</b>		
<b>1</b>		
<b>2</b>		
<b>3</b>		

Turn over for some extension questions.

Extension questions:

1. What else can we measure in the blood to see if there is an infection or injury?
  - a. Changes in cell numbers
  - b. Changes in cell function
  - c. Count bacteria in the blood
  - d. Culture swabs from patients
  
2. Enzymes can be affected by small changes in human physiology, think of changes that may occur in a trauma patient that could affect how enzymes are working to maintain homeostasis:
  - a. Bleeding
  - b. Hypothermia
  - c. Acidosis
  
3. How does the body try to compensate for these changes:
  - a. Increased heart rate
  - b. Increase resp rate
  - c. Shivering
  - d. Increased blood pressure through constriction of blood vessels