

## 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.

Solution	pH	Explain why it changes
Neutral		
1		
2		
3		

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