




### 3.4.1-2 Homeostasis

## Self Assessment

### Where is your learning at?

- Green: I know it all
- Orange: I have some idea – check the answers
- Red: I need to start studying this section

	<b>CAN YOU</b>	<b>Green</b> 	<b>Orange</b> 	<b>Red</b> 
1	Define Homeostasis			
2	Say why homeostasis is necessary in living organisms			
3	Relate homeostasis to temperature, fluid balance and chemistry of cells			
4	Relate homeostasis to temperature, fluid balance and chemistry of organisms.			
5	Explain why organisms must maintain constant conditions in their cells and bodies			
6	Explain diffusion			
7	Explain how organisms need to develop exchange systems which include the respiratory and excretory systems			
8	Explain how gases, nutrients and toxic wastes are exchanged by diffusion between cells and their environment			
9	Relate the efficiency of exchange to the surface area over which diffusion can take place.			
10	Explain why large organisms have problems with diffusion			
11	Explain how these problems of size can be overcome			
12	Explain why large active animals such as humans also require a circulatory system			