

### Part 4 How can little cells get together to make big things?

Activity No	Activity Name	Lesson type	Activity Description	
4.1	<a href="#">Life in water</a>	Engage & Explore	Students observe organisms in pond water using microscopes.	Optional
		Hands-on		
		Medium		
4.2	<a href="#">Cells specialise</a>	Explore, Explain & Elaborate	Students investigate tissues using prepared slides, wet mounts, and virtual microscope slides.	Core
		Hands-on & Digital		
		Medium		
4.3	<a href="#">Putting it all together</a>	Explore, Explain & Elaborate	The concept of cell-tissue-organ-system-organism is explored using simulations of human and flowering plant systems.	Core
		Digital		
		Short		
4.4	<a href="#">Organs and systems</a>	Explore, Explain, Elaborate & Evaluate	Students investigate the structure and function of body organs and systems, focusing on the digestive, circulatory and kidney systems. The <i>Find out more</i> section introduces the skin as a body organ, discussing its structure and function, skin burns and skin cancer.	Core
		Digital & Classroom		
		Long		
4.5	<a href="#">New skin</a>	Elaborate	Students study the life and work of 2005 Australian of the Year Professor Fiona Wood, a skin burns surgeon, using several media accounts.	Core
		Classroom & Digital		
		Medium		
4.6	<a href="#">Let's look inside</a>	Explore & Explain	Students dissect a squid as an example of a functioning organism.	Optional
		Hands-on		
		Medium		

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4.7	<a href="#">Plant plumbing</a>	Explore & Explain	Students do experiments to study a plant vascular system and the structure and role of stomata.	Optional
		Hands-on		
		Medium		
4.8	<a href="#">How does a multicellular organism function?</a>	Evaluate	A formative assessment where students use packs of cards to link the components (cell-tissue-organ-system-organism) of the circulatory, digestive and excretory systems.	Optional
		Classroom		
		Short		