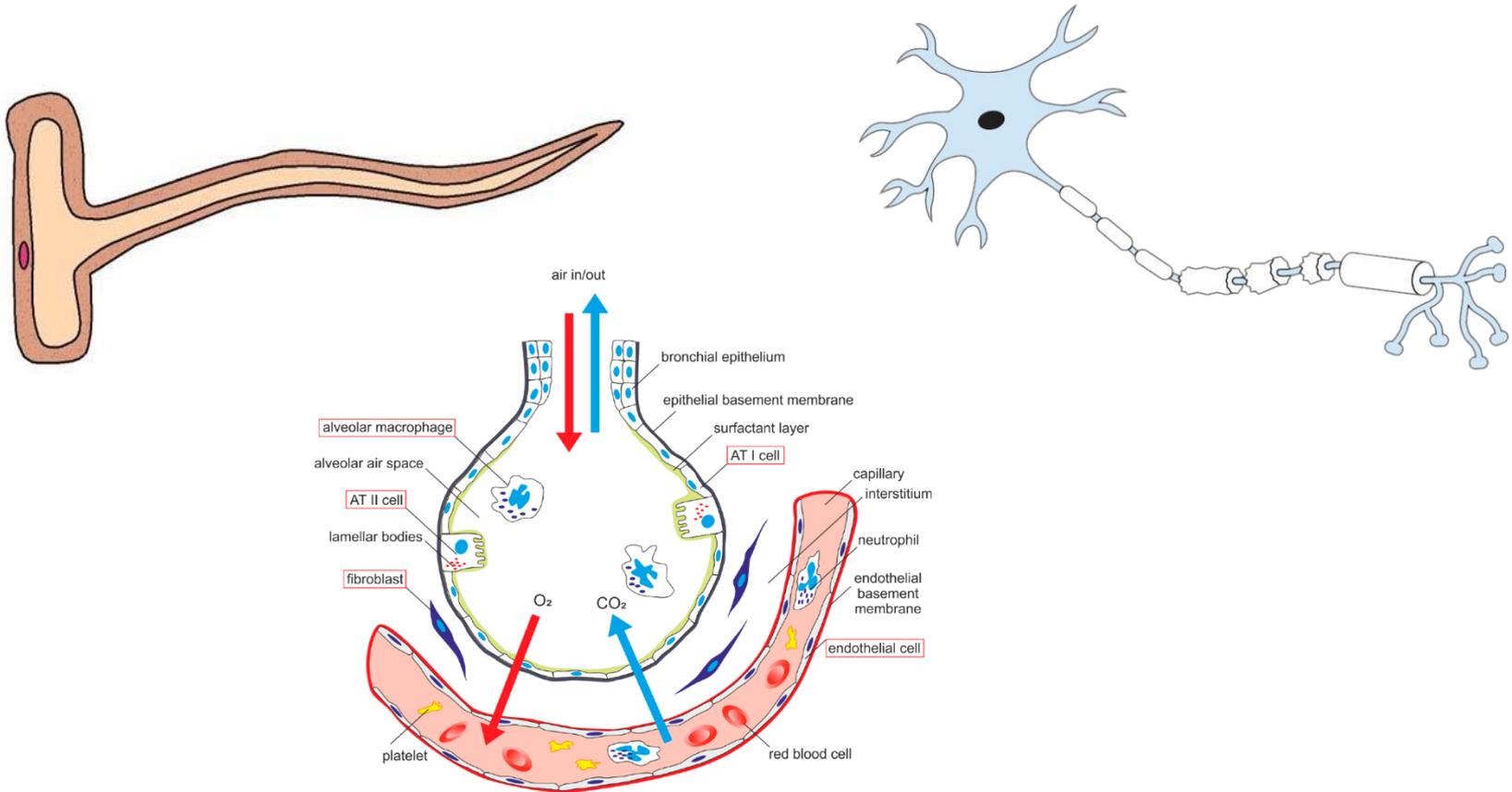


Transport System in Living Things



What are specialised cells?



Why do cells need to be specialised?

What are organ systems?

Pair work

- Use actual names
- One person to use AI to generate information
- One person to record on OneNote
- Take turns

Invite Your Students



Instruct students to visit this URL and enter the code.

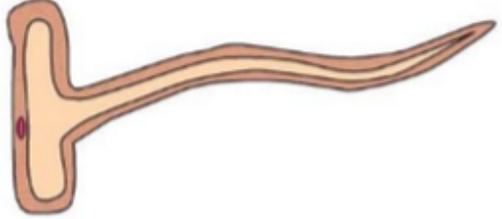
<https://app.schoolai.com/student-space?code=FMGF>

Copy



FMGF

1 Transport processes in cells

	<p style="text-align: center;">Red blood cells</p> 	<p style="text-align: center;">Root hair cells</p> 
<p>Function</p>	<p>Transport o_____ from the lungs to various parts of the body</p>	<p>Are modified root epidermal cells that in absorption of _____ and _____</p>
<p>Adaptations</p>	<ul style="list-style-type: none"> • Contains h _____ to bind with oxygen weakly • No nucleus: to pack more h _____ • Biconcave: increase _____ to _____ ratio for faster rate of diffusion of oxygen 	<ul style="list-style-type: none"> • Elongated shape to increase _____ to _____ ratio for the absorption of water and dissolved mineral salts at a faster rate • Concentrated cell sap (cell sap solution more concentrated than

AI Literacy

A

Why does our skin on our fingers wrinkle after a long bath



Our skin wrinkles after a long bath because the outer layer of skin absorbs water, causing it to swell and create ridges, aiding in gripping objects in wet conditions.

From textbook

CHAPTER

3

Movement of Substances

Why does the skin on our fingers wrinkle after a long bath?

You may notice that after a long, hot bath, the skin on your fingers tends to wrinkle. Why do you think this is so? What evidence do you have to support your claim?

Does the temperature of water and the duration of the bath have any effect on whether the skin will wrinkle?

Learning Outcomes

At the end of this chapter, you should be able to:

- define diffusion;
- describe the role of diffusion in nutrient uptake and gas exchange in plants and humans;
- define osmosis;
- describe the effect of osmosis on plant and animal tissues; and
- define active transport.

But are the AI and Textbook right?

If osmosis happens through our skin...

- won't our faces wrinkle too when swimming?
- won't our blood sugar levels be affected when we walk in the rain?

SCI
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From Scientific American

JANUARY 9, 2013 | 2 MIN READ

Why Do Our Fingers and Toes Wrinkle During a Bath?

The spontaneous reflex might have evolved to improve our handling of wet objects

BY [BECKY SUMMERS](#) & [NATURE MAGAZINE](#)

