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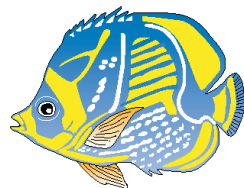
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www.wetpaper.com.au

info@wetpaper.com.au

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WORKSHEET 5 EFFECTS OF PRESSURE

Questions *(All answers on page 12)*

Q1. What is the atmospheric pressure on your lungs if you were sitting at the edge of a swimming pool?

Q2. Calculate the pressure in your lungs if you dived to a depth of 10 metres.

Q3. Recall the percentage concentration of oxygen and nitrogen in the air.

Q4. Explain the term partial pressure as it relates to gases.

Q5. At one atmosphere, recall the partial pressure of nitrogen and oxygen in your lungs.

Q6. At 10 metres, describe how these partial pressures have changed.

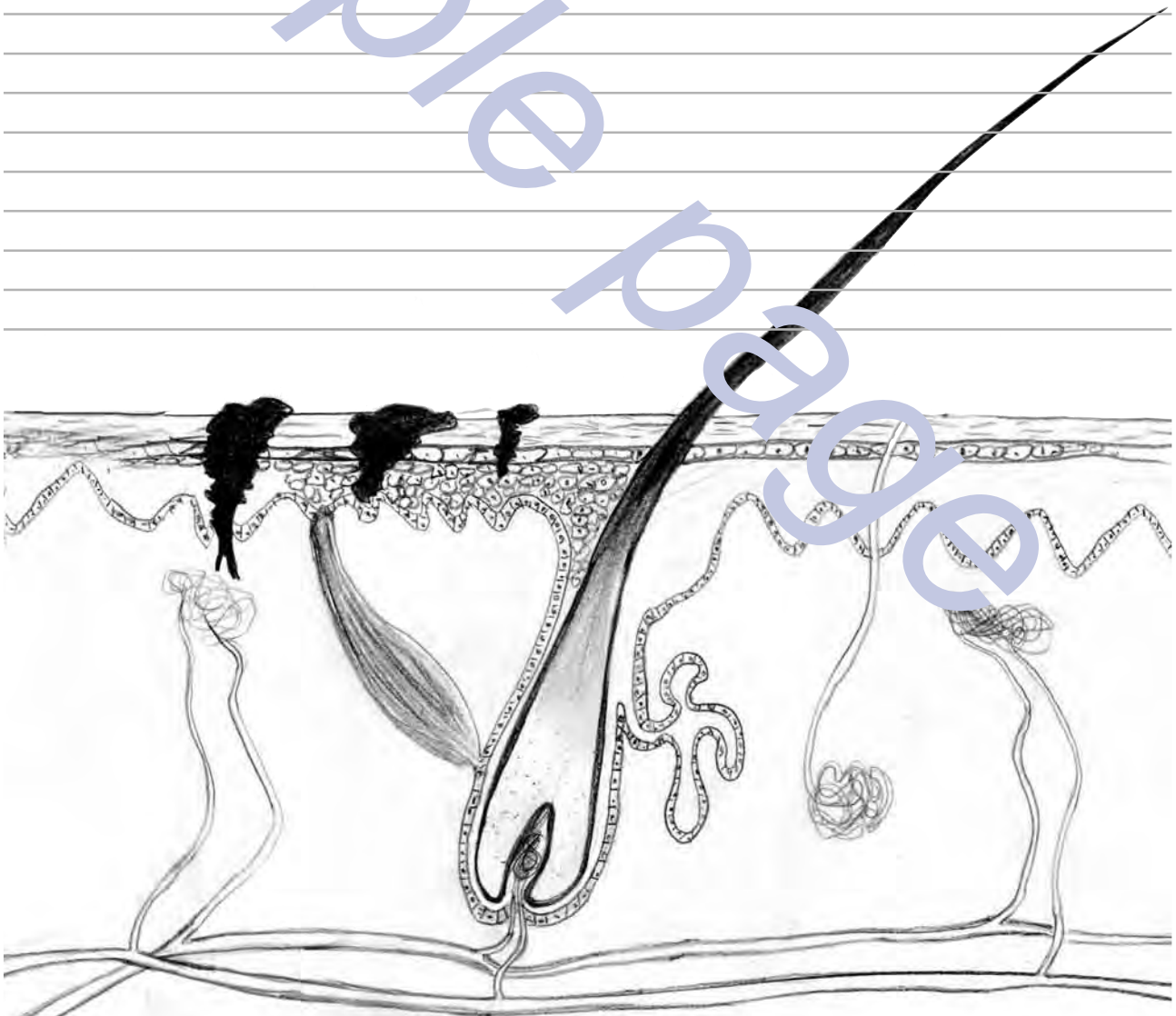
Q7. Explain how lack of carbon dioxide and oxygen can be dangerous at depth. Describe possible effects and symptoms.

Q8. Calculate how many litres of nitrogen and oxygen there are in three litres of air.

WORKSHEET 10 SKIN CANCER

A student researching this topic made a drawing of the skin in an attempt to show a melanoma (the most dangerous form of skin cancer), a basal cell and squamous cell carcinoma.

- Identify or correct the main parts of the skin shown (*Use web references to complete*)
- Distinguish between the three types of cancers and identify which is the most dangerous
- Outline three personal lifetime decisions you would make to prevent contracting any deadly forms of skin cancer



WORKSHEET 22 REDUCING SNORKELLING RISKS

Control measure

1. Eliminate the hazard
2. Substitute the hazard with a lesser risk
3. Isolate the hazard
4. Use engineering controls
5. Use administrative controls
6. Use personal protective equipment

Describe how each of the following hazards could cause harm to a snorkeller on a school trip you are about to undertake. Then identify the type of control measure used justifying it with a short statement

Hazard	Control measure/s and justification
Weather	<i>Eg: Rough seas, high winds, cancel boat trip, snorkel in pools. Risk reduced, hazard eliminated</i>
Surface conditions	
Waves	
Sun	
Wind and rain	
Turbidity	
Temperature	
Rips and currents	
Hazardous creatures	
Entry and exit points	
Water depth	
Physical exertion	
Vessels	