

Study sheet | The Primary Stage of Grades (6-8)

2023-2024

Name:

Subject: Science (Red and white blood cells)

Date: / /

Class: Grade 6 National (All Sections)

Objective/s: Describe how animal and plant cells are specialized for particular functions.

Cell	Function	Adaptation
<p>1. Red blood cells</p> <p>Red blood cell</p> <p>Oxygen from lungs</p> <p>Hemoglobin molecules</p> <p>Oxygen released to tissue cells</p> <p>Oxygen bonded with hemoglobin molecules</p>	<p><u>They carry oxygen around the body.</u></p> <p>Their cytoplasm contains a red substance called haemoglobin, which carries oxygen.</p>	<p>1. They are <u>disc-shaped</u> but their centers dip inward.</p> <p>2. They don't have a nucleus (this makes more room for haemoglobin.)</p>
<p>2. White blood cells</p> <p>phagocyte (a neutrophil)</p> <p>lymphocyte</p>	<p>They are cells of the immune system that are involved in protection and fighting diseases.</p>	<p><u>Irregular shapes.</u></p> <p>for example:</p> <p>1. Lymphocyte: produces antibodies, which attack harmful microorganisms in the blood.</p> <p>2. Phagocyte: engulfs harmful microorganisms.</p>