2.7 AKTIVITI PERBINCANGAN

Kesan buruk bahan pencemar terhadap sistem respirasi

Harmful effects of pollutants on the respiratory system

PBD
Kontekstual

Buku teks m/s 57 – 61

1 Nyatakan bahan pencemar yang berbahaya kepada sistem respirasi dan padankan bahan itu dengan kesan buruknya. TP2
State the pollutants that are harmful to the respiratory system and match the substances to their harmful effects.

Karbon monoksida *Carbon monoxide*	Sulfur dioksida *Sulphur dioxide*	Tar tembakau *Tobacco tar*	Jerebu *Haze*	Nikotina *Nicotine*	Nitrogen dioksida *Nitrogen*

Mengakis salur pernafasan dan menyebabkan bronkitis *Corrodes the breathing tract and cause bronchitis*	Menyebabkan sesak nafas dan asma *Causes breathing difficulties and asthma*	Menyebabkan ketagihan dan kanser peparu *Causes addiction and lung cancer*	Mengurangkan kandungan oksigen dalam darah *Reduces the oxygen content in the blood*

2 Cikgu Milah memberi penjelasan dan simptom penyakit respirasi dan mengkehendaki muridnya, Ali untuk mengenal pasti jenis penyakit tersebut. Bantulah Ali./*Teacher Milah gives a description and symptoms of respiratory diseases and requires her student, Ali to identify the types of diseases. Help Ali.* TP2

Bronkitis/*Bronchitis*	Kanser peparu/*Lung cancer*	Asma/*Asthma*	Emfisema/*Emphysema*

Penyakit respirasi ***Respiratory disease***	**Penjelasan** ***Description***	**Simptom** ***Symptom***
(a)	Radang salur pernafasan, menyempit apabila dirangsang oleh bahan perengsa. *The inflamed breathing channel, becomes narrow when stimulated by irritants.*	Sesak bernafas, batuk, nafas berbunyi *Difficulty in breathing, cough, wheezing.*
(b)	Radang bronkus disebabkan oleh bahan perengsa seperti asap rokok. *Inflammation of the bronchus caused by irritants like cigarette smoke.*	Batuk yang berterusan, tercungap-cungap, tidak dapat tidur/*Continuous coughing, breathless, insomnia*
(c)	Kerosakan alveolus disebabkan oleh bahan perengsa dalam asap rokok. *The damage of the alveolus due to the irritants in cigarette smoke.*	Sesak nafas, sakit dada, letih *Breathing difficulty, chest pain, tiredness*
(d)	Disebabkan karsinogen (bahan kimia penyebab kanser) dalam bahan pencemar seperti asap rokok. *Caused by carcinogens (cancer-causing chemicals) in pollutants such as cigarette smoke.*	Batuk berterusan, kahak berdarah, sakit dada *Continuous coughing, bloody sputum, chest pain*

LIVEWORKSHEETS