

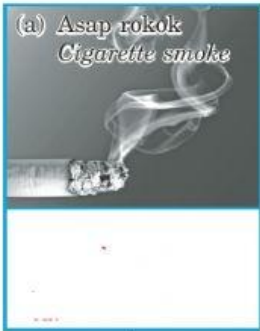
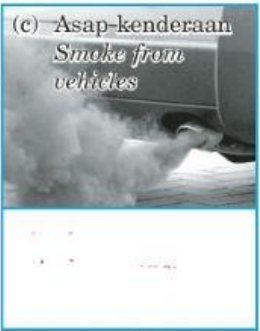
2.5 AKTIVITI PERBINCANGAN

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 rokok Cigarette tar	Jerebu Haze	Nikotina Nicotine	Nitrogen dioksida Nitrogen dioxide
(a) Asap rokok Cigarette smoke 	(b) Asap kilang Factory smoke 	(c) Asap-kenderaan Smoke from vehicles 	(d) Pembakaran hutan Burning of forest 		
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 Nyatakan bahan-bahan lain dalam asap rokok berdasarkan kesannya. **TP2**
State others substances in cigarette smoke based on their effects.

Karsinogen / Carcinogens	Nikotin / Nicotine	Tar rokok / Cigarette tar
(a)	Menyebabkan ketagihan terhadap merokok Causes addiction to smoking	
(b)	Merangsang pertumbuhan sel-sel kanser yang menyebabkan kanser peparu dan kanser kerongkong Stimulate the growth of cancerous cells, causing lung cancer and throat cancer	

- 3 Tandakan (✓) penyakit sistem respirasi yang disebabkan oleh asap rokok. **TP1**
Mark (✓) the diseases of the respiratory system caused by cigarette smoke.

☐ Kanser peparu/Lung cancer	☐ Emfisema/Emphysema	☐ Diabetes/Diabetes
☐ Leukemia/Leukaemia	☐ Asma/Asthma	☐ Bronkitis/Bronchitis



AKTIVITI HANDS-ON

Eksperimen Wajib 3: Kesan merokok terhadap peparu (rujuk silang m.s. 180 – 181)
Compulsory Experiment 3: Effect of smoking on lungs (cross-reference p. 180 – 181)

