

**2.7 AKTIVITI PERBINCANGAN**

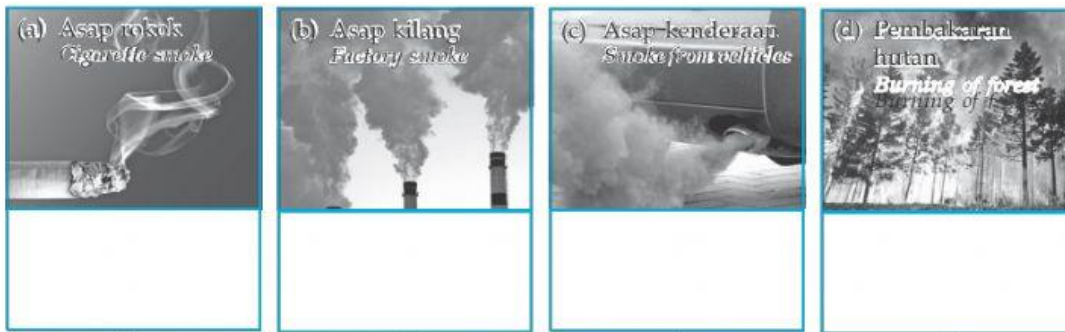
**Kesan buruk bahan pencemar terhadap sistem respirasi**  
*Harmful effects of pollutants on the respiratory system*



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 <i>Carbon monoxide</i>	Sulfur dioksida <i>Sulphur dioxide</i>	Tar tembakau <i>Tobacco tar</i>	Jerebu <i>Haze</i>	Nikotina <i>Nicotine</i>	Nitrogen <i>Nitrogen</i>
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Mengakis salur pernafasan dan menyebabkan bronkitis <i>Corrodes the breathing tract and cause bronchitis</i>	Menyebabkan sesak nafas dan asma <i>Causes breathing difficulties and asthma</i>	Menyebabkan ketagihan dan kanser paru <i>Causes addiction and lung cancer</i>	Mengurangkan kandungan oksigen dalam darah <i>Reduces the oxygen content in the blood</i>
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- 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 paru/Lung cancer	Asma/Asthma	Emfisema/Emphysema
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Penyakit respirasi <i>Respiratory disease</i>	Penjelasan <i>Description</i>	Simptom <i>Symptom</i>
(a)	Radang salur pernafasan, menyempit apabila dirangsang oleh bahan perengsa. <i>The inflamed breathing channel, becomes narrow when stimulated by irritants.</i>	Sesak bernafas, batuk, nafas berbunyi <i>Difficulty in breathing, cough, wheezing.</i>
(b)	Radang bronkus disebabkan oleh bahan perengsa seperti asap rokok. <i>Inflammation of the bronchus caused by irritants like cigarette smoke.</i>	Batuk yang berterusan, tercungap-cungap, tidak dapat tidur/ <i>Continuous coughing, breathless, insomnia</i>
(c)	Kerosakan alveolus disebabkan oleh bahan perengsa dalam asap rokok. <i>The damage of the alveolus due to the irritants in cigarette smoke.</i>	Sesak nafas, sakit dada, letih <i>Breathing difficulty, chest pain, tiredness</i>
(d)	Disebabkan karsinogen (bahan kimia penyebab kanser) dalam bahan pencemar seperti asap rokok. <i>Caused by carcinogens (cancer-causing chemicals) in pollutants such as cigarette smoke.</i>	Batuk berterusan, kahak berdarah, sakit dada <i>Continuous coughing, bloody sputum, chest pain</i>