



Mastering Science Workbook 2A, 2B Corrigendum

Workbook 2A

★ Updated in July 2016

Page	Original text	Amendments
★ 24–25	Please refer to Appendix on the next page for the revised p. 24–25. The following amendments are included.	
	<p>p. 24 (I True or false questions, Questions 2 & 3)</p> <p>2 <u>Healthy people need not take special action when the <u>API</u> reaches <u>150</u>.</u></p> <p>3 The higher the <u>API</u>, the better the air quality.</p>	<p>2 <u>The general public does not need to take special action when the <u>AQHI</u> reaches <u>9</u>.</u></p> <p>3 The higher the <u>AQHI</u>, the better the air quality.</p>
	<p>p. 24 (II Fill in the blanks, Question 2)</p> <p>2 The _____ (<u>API</u>) is divided into _____ <u>air pollution levels</u>. ...</p>	<p>2 The _____ (<u>AQHI</u>) is divided into _____ <u>health risk categories</u>. ...</p>
	<p>p. 25 (III Multiple-choice questions, Questions 1 & 2)</p> <div style="text-align: center;">  </div> <p>1 Which <u>air pollution level</u> does <u>API 109</u> belong to?</p> <p style="margin-left: 40px;"> A <u>Severe</u> B <u>Very high</u> C <u>High</u> D <u>Medium</u> </p> <p>2 Mrs Lee has ... on that day?</p> <p style="margin-left: 40px;"> (1) Reduce <u>physical</u> activities. (2) <u>Go to the countryside for a walk</u>. (3) Reduce the amount she eats. </p>	<div style="text-align: center;">  </div> <p>1 Which <u>health risk category</u> does <u>AQHI 9</u> belong to?</p> <p style="margin-left: 40px;"> A <u>Serious</u> B <u>Very high</u> C <u>High</u> D <u>Moderate</u> </p> <p>2 Mrs Lee has ... on that day?</p> <p style="margin-left: 40px;"> (1) Reduce <u>outdoor</u> activities. (2) <u>Wear a face mask</u>. (3) Reduce the amount she eats. </p>

Page	Original text	Amendments
36	<i>(2nd paragraph in the article)</i> According to... 6500 kg of carbon dioxide a <u>day</u> . This is... 2500 kg per individual per <u>day</u>	According to... 6500 kg of carbon dioxide a <u>year</u> . This is... 2500 kg per individual per <u>year</u>
★ 37	<i>(C Higher Order Thinking Questions, Graph B, label)</i> <u>atmospherie</u> pressure	<u>atmospheric</u> pressure
74	<i>(Heading and the 1st line in the article)</i> Electrical appliances switched off <u>consumes</u> energy Electrical appliances in standby mode (待機模式) <u>consumes</u> energy. ...	Electrical appliances switched off <u>consume</u> energy Electrical appliances in standby mode (待機模式) <u>consume</u> energy. ...

Workbook 2B

Page	Original text	Amendments
32	<i>(IV Questions Q1c)</i> c Which of... skin directly? Why? (1 mark)	c Which of... skin directly? Why? (2 marks)

7.6 Air pollution and smoking

I True or false questions (1 mark each)

Write 'T' for a true statement and 'F' for a false statement in the boxes provided.

- 1 Sulphur dioxide is an air pollutant. It can irritate our eyes and throat.
- 2 The general public does not need to take special action when the AQHI reaches 8.
- 3 The higher the AQHI, the better the air quality.
- 4 The tar in cigarette smoke can cause throat cancer and lung cancer in smokers.
- 5 Passive smokers do not have the risk of getting lung cancer.

II Fill in the blanks (2 marks each)

- 1 Burning fossil fuels in motor cars releases various air _____ to the air. This is the major cause of _____ pollution in busy streets in Hong Kong.



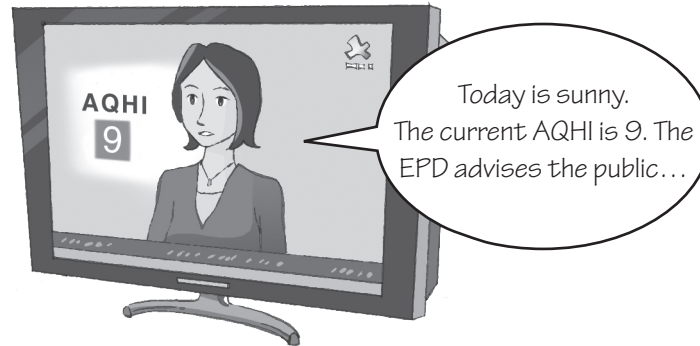
- 2 The _____ (AQHI) is divided into _____ health risk categories. Its calculation is based on the measurement of certain air pollutants at _____ stations.
- 3 _____ is one of the harmful substances in cigarette smoke. It causes addiction to cigarette smoking.
- 4 Non-smokers may breathe in the smoke given out ●..... from other people's cigarettes. This is known as _____ smoking.



III Multiple-choice questions (1 mark each)

Choose the correct answer for each of the following questions.

Directions: Questions **1** and **2** refer to the following weather report about air quality.



- E 1** Which health risk category does AQHI 9 belong to?
- | | | |
|------------------|--------------------|--------------------------|
| A Serious | B Very high | |
| C High | D Moderate | <input type="checkbox"/> |
- E 2** Mrs Lee has asthma. Which of the following should she do on that day?
- (1) Reduce outdoor activities.
 (2) Wear a face mask.
 (3) Reduce the amount she eats.
- | | | |
|---------------------------|---------------------------|--------------------------|
| A (1) only | B (2) only | |
| C (1) and (3) only | D (2) and (3) only | <input type="checkbox"/> |
- 3** Which of the following substances can be found in cigarette smoke, and can stain the teeth and nails of smokers yellow?
- | | | |
|-------------------|---------------------------|--------------------------|
| A Nicotine | B Lead particles | |
| C Tar | D Carbon particles | <input type="checkbox"/> |
- 4** Which of the following is **not** a harmful effect of smoking on our health?
- | | |
|--------------------------------------|--------------------------|
| A Causing lung cancer | |
| B Causing heart diseases | |
| C Staining teeth yellow | |
| D Making us become overweight | <input type="checkbox"/> |