Air pollution

Learning objective: What are the effects of air pollution?

Success criteria: Able to use scientific methodology to solve a problem.

Aisha is in trouble! Save her!

Aisha went out to buy some food. There were lots of cars and other vehicles on the road. As she walked, enjoying the scene, she saw a huge factory. She looked at the factory and saw huge chunks of brown and black smoke coming out! She stood there and watched the scene for a while. Later, she bought her food, and came back home.

But then, she found it very difficult to breathe. She started crying so bad. She felt heaviness in her lungs and had to later go to a hospital.

Problem:

Q1. What do you think caused her disease?

(A) Polluted air (B) Dust and smoke(C) Bad air (D) All of these

Hypothesis:

Q2. How can you solve her problem? (choose 2 solutions you think is the best)

(A) Use a mask (B) Complaint to the ministry (C) Always stay home

Experiment:

Q3. Okay! Now Aisha is experimenting your hypothesis. Which of the following is the correct experiment? (click on 2 experiments based on your hypothesis)

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Observation and conclusion: **Your idea was brilliant! Aisha is feeling so good now!**

Q4. Did your experiment work? (A) Yes (B) No

Q5. Is your hypothesis true? (A) Yes (B) No

Imagine, your experiment did not work well, which means your hypothesis is not true. What will you do now?

(A) Stop doing everything because you are tired
(B) Will conclude that your hypothesis was wrong
(C) Will conclude that the hypothesis was wrong and will make a new hypothesis to continue the experiment
(D) Will tell your friends to work for you.

Q6. Choose the correct step number in the boxes. (One has been done for you)

Ask a question	
Make conclusions	
Share your results	6
Observe your results	
Form a hypothesis	
Do your experiment	