

Prac: The Greenhouse Effect

Name: _____

Aim: To investigate how a greenhouse affects air temperature.

Hypothesis: (C grade)

I think that (*what you think will happen*)

This is because (*why you think it will happen*)

Equipment and Materials: (E grade)

This is a list of things you needed to do the experiment

Method:

Write a numbered list of steps that were done in this prac (D grade)

Draw a labelled diagram of the experiment (C grade)

Results: (E grade)

In the sun

Time (minutes)	Temperature inside greenhouse (C)	Temperature outside greenhouse (C)
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

In the shade

Time (minutes)	Temperature inside greenhouse (C)	Temperature outside greenhouse (C)
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Temperature change in the sun: (D grade) _____

Temperature change in the shade: (D grade) _____

Discussion:

1. List two things that made the experiment difficult to do correctly. (C grade)

2. Was your hypothesis correct? (C grade)

3. What is the independent variable in this prac? (B grade)

4. What is the dependent variable in this prac? (B grade)

5. What are the controlled variables in this prac? (B grade)

6. What else could we learn about the greenhouse effect using a similar experiment? (A grade)

7. How would you change the experiment to learn what you've mentioned above? (A grade)

Conclusion (C grade):

Write one sentence that tells what you learned about how a greenhouse affects air temperature.
