

REACTION TIMES

‘What factors influence your reaction time?’

1. You will be taking part in a simple reaction time test under changing environments and analysing the results to determine if there are any significant differences.
2. Using the attached table complete the tests in the order shown below, recording your results as you go.
3. You will find the reaction time test at the following address:
http://www.bbc.co.uk/science/humanbody/sleep/sheep/reaction_version5.swf
 - a) Controlled test 1
 - b) Controlled test 2
 - c) Distraction test
 - d) Post exercise test
4. Create a line graph using the attached graph outline to display your results. Make sure you use a ruler and complete this in a neat and tidy way.
5. Answer the following questions on your computer in detail. Some research may be required. Make sure you reference information you use to help your answers.

Questions:

1. Did you find any distinctive differences between the 2 controlled tests? Explain your answer (if there was no difference give reasons for this)
2. Explain the ‘cues’ and the ‘noises’ in the distraction test.
3. Comparing your results in the distraction test to the first two tests, was there a difference? Explain your answer.
4. What influences did the post exercise test introduce to the subject? How do you think this has the potential to effect someones reaction time?
5. Were there any differences in your results with the post exercise test compared to the controlled tests? Explain
6. Concluding statement to sum up your finding from this experiment.

Test	Sheep 1	Sheep 2	Sheep 3	Sheep 4	Sheep 5	Average
Controlled Test 1						
Controlled Test 2						
Distraction Test						
Post Exercise Test						

Reaction Time Test Chart

