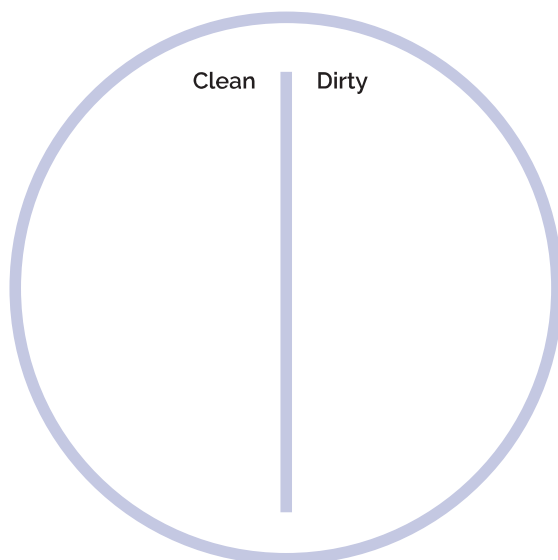




Hand Shaking Experiment: Section A Results Worksheet

Draw and describe what you observed in the Petri dish



Dirty section

Colony 1 _____

Colony 2 _____

Colony 3 _____

Colony 4 _____

Colony 5 _____

Clean section

Colony 1 _____

Colony 2 _____

Colony 3 _____

Colony 4 _____

Observations

- 1 Which side of the Petri dish contained the highest number of microbes?

- 2 Which side of the Petri dish contained more different colonies of microbes?

- 3 How many different colony types were there on the:

Clean section _____

Dirty section _____

Conclusions

- 1 Some people may see more microbes on the clean side of the Petri dish than the dirty side. Why?

- 2 Which colonies would you consider to be the friendly microbes and why?





Hand Shaking Experiment: Section B Results Worksheet

Procedure

- 1 Carry out the experiment according to the teacher's instructions.
- 2 In the table below, fill in how many different types of colonies you counted on your Petri dish and draw a graph of your results.

Results

	After washing (or not washing) and shaking hands					
	Student 1	Student 2	Student 3	Student 4	Student 5	Student 6
No wash (control)						
Quick wash						
Thorough wash						
Thorough wash with soap						

Conclusion

- 1 Which method of hand hygiene eliminated the most microbes?

- 2 Why would soap help eliminate more microbes than washing with water alone?

- 3 What are the advantages and disadvantages to using antibacterial soap when washing your hands?
Advantages: _____

Disadvantages: _____

- 4 What evidence do you have that microbes can be transmitted by hands?

- 5 Which areas of the hand would do you think would contain the most microbes and why?

- 6 List 5 times when it is important to wash your hands
a. _____ b. _____
c. _____ d. _____
e. _____

