

## FLESH EATERS: Case notes level 1

### Level 1:A Possible causes of death

- Do this section after you are given your mission.
- Complete the table.
- Think of as many ideas as you can.

What the cause of death could be

### Level 1:C Eliminating causes of death

- Do this section when you are carrying out tests in the lab.
- Look for test results that eliminate a cause of death.
- Write them in the table.
- One test has been done for you.

Test	Cause of death eliminated
Human autopsy	Electrocution

## **FLESH EATERS: Case notes level 2**

### **Level 2:B Collecting important clues**

- Do this section when you are looking for clues.
- Write the names of objects you find in the table.
- Then choose which objects to collect and which to leave behind. Remember you can only collect five clues.

<b>Objects to collect</b>	<b>Objects to leave behind</b>
Ones with clues about: <ul style="list-style-type: none"> <li>• Where the chemicals come from</li> <li>• What their effects are</li> <li>• What happens when they are heated</li> </ul>	Ones with clues which are not about these things

### **Level 2:D Final report**

Do this section after you have solved the case.

<b>Question</b>	<b>Your answer</b>
How does the flesh eating chemical work?	
How can you stop it from eating flesh?	
Explain how the 'antidote' works	

## FLESH EATERS: Scientist's note book

### AIM

To see if the cave water or the slime have flesh eating properties. I tested them at room temperature and after heating.

### METHOD

1. I put a sample of human flesh in two petri dishes, labelled A and B. I used two dishes so I could repeat all my results.

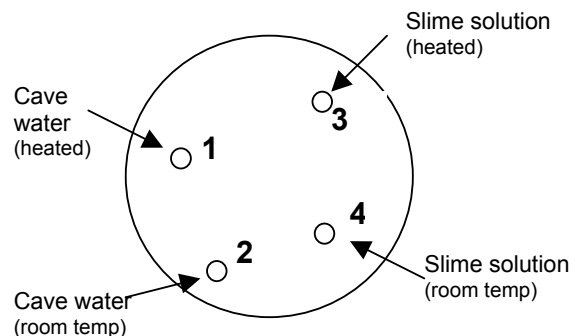
2. I used a straw to cut four circular 'wells' in each dish. I removed the column of jelly in the straw with a toothpick.

3. I measured the diameter of all the wells.

4. I put labels on the lid (see diagram for numbers).

5. I poured  $2\text{cm}^3$  of cave water into a test tube. I heated it until it boiled. I let it cool. I used a pipette to fill well 1 in each dish with this liquid.

6. I poured  $2\text{cm}^3$  of slime solution into a test tube. I heated it until it boiled. I let it cool. I used a clean pipette to fill well 3 in each dish with this liquid.



7. I filled well 2 in each dish with cave water (room temperature). I filled up well 4 in each dish with slime solution (room temperature). I used a clean pipette each time.

8. I put the lids on and left the dishes for 24 hours.

## FLESH EATERS: Scientist's note book

### RESULTS TABLE

Contents of well	Petri dish A		Petri dish B	
	Diameter of well (cm)		Diameter of well (cm)	
	At start	At end	At start	At end
1. Cave water (heated)				
2. Cave water (room temperature)				
3. Slime solution (heated)				
4. Slime solution (room temperature)				

### CONCLUSIONS