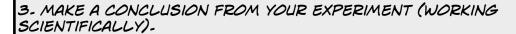
INVESTIGATING DIFFLISION

AIMS:

- 1. USE THE PARTICLE MODEL TO EXPLAIN DIFFUSION.
- 2. RECORD AND PRESENT OBSERVATIONS IN AN APPROPRIATE WAY (WORKING SCIENTIFICALLY).





EQUIPMENT;

- 1. BEAKER
- 2. SKITTLES
- 3. PETRI DISH
- 4- FILTER PAPER
- 5- STOP CLOCK
- 6- WATER

<u>METHOD:</u>

- 1. PLACE THE PETRI DISH ON A PIECE OF FILTER PAPER.
- 2. PLACE THREE SKITTLES INTO THE PETRI DISH AND EVENLY SEPARATE THEM SO THEY ARE THE SAME DISTANCE APART FROM EACH OTHER AND THE SIDES.
- 3. USING A BEAKER SLOWLY POUR WATER INTO THE PETRI DISH TO COMPLETELY FILL IT. BE CAREFUL NOT TO OVER FILL THE DISH.
- 4- ONCE YOU HAVE PUT THE WATER INTO THE PETRI DISH START TIMING.
- 5. OBSERVE WHAT HAPPENS AND RECORD YOUR OBSERVATIONS.



<u>OBSERVATIONS:</u>

QUESTIONS:

- 1. EXPLAIN THE PROCESS OF DIFFUSION IN TERMS OF PARTICLES.
- 2. EXPLAIN WHY YOU GOT THE PATTERN YOU DID.
- 3. HOW CAN THE SPEED OF DIFFUSION BE INCREASED?
- 4. WHAT PATTERN DO YOU THINK YOU WILL GET IF YOU TRIED SIX SKITTLES? DRAW YOUR THOUGHT AND THEN TRY IT.
- 5. NAME AN EVERY DAY EXAMPLE OF DIFFUSION.



