

Making a life-cycle wheel



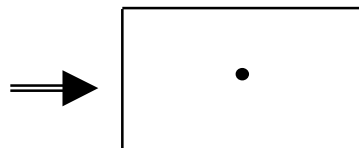
Now that we know about complete and incomplete metamorphosis we can make a life-cycle wheel.

You will need:

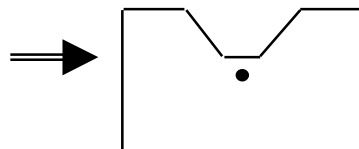
- Two pieces of A4 card or thick paper
- Scissors
- Something round to draw around or a compass
- Paper fasteners

1. Fold a piece of card in half.

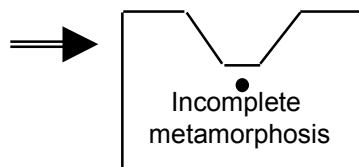
Make a mark in the middle and make a small hole through the two pieces of card.



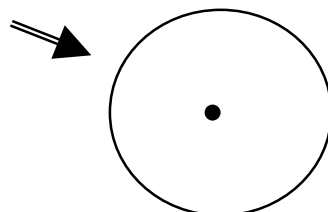
2. Next cut out a space above the hole (on the unfolded edge).



3. On one side of the card write **Incomplete metamorphosis** and on the other side write **Complete metamorphosis**.



4. On a new piece of card, cut out a circle about 14cm in diameter. Make a mark in the centre of your circle and make a small hole.



Use the pictures on the next sheet to help you draw some life-cycles. You could stick them onto your card if you want to.

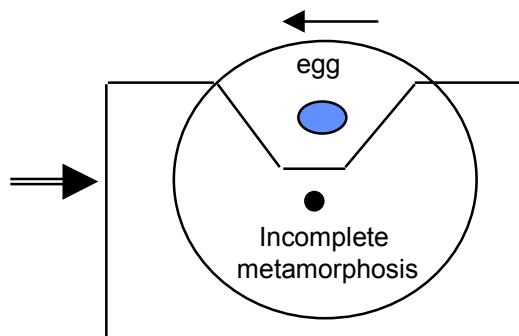
5. On one side of your circle draw the life cycle of the locust around the edge. This will have, **an egg, five nymphs (hoppers) and an adult**.

6. On the other side draw the life cycle of a butterfly. This will have **an egg, a caterpillar, a pupa and an adult butterfly**.

7. Put your life-cycle circle into your folded card.

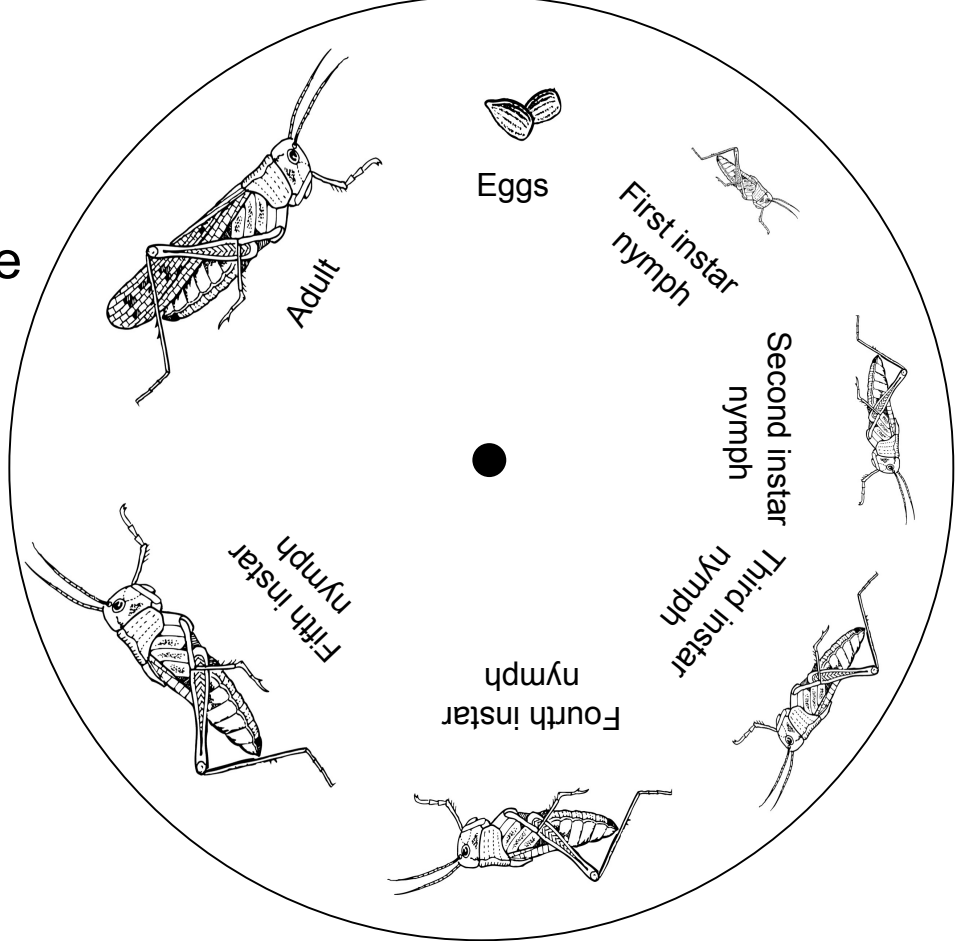
The life-cycle of the **locust** will be on the side which says **Incomplete metamorphosis**. The life-cycle of the **butterfly** will be on the side which says **Complete Metamorphosis**

8. Put a paper fastener through the holes in your folded card and card circle, and your wheel is ready to turn (move it anti-clockwise).





The Life-cycle of a Locust



The Life-cycle of a Butterfly

