Cross-section through a flower

3 petals form the **corolla** – often brightly coloured and scented

1 **gynaecium** is composed of:

carpel

stigma

style

ovary

(several carpels fused together are called a pistil)

ovule (female gamete)

nectary contains nectar

2 **androecium** is composed of:

anther

stamen

filament

the anther contains pollen grains (male gametes)

4 sepal – part of the calyx which protects the flower in the bud stage

5 **receptacle**

flower stalk