Subject: Science

Level: Standard 3

Strand: Form and Function

Topic: Drawing the external parts of the flower

Key Points:

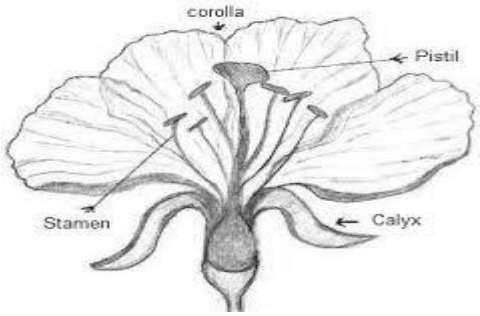
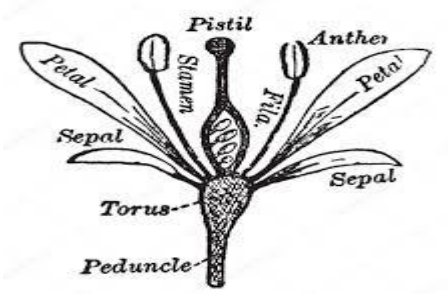
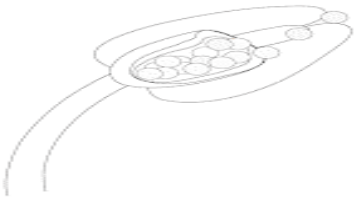
- In Science, a record of observations made may be done using a biological drawing
- The structure of a flower is one example of a record by made using a biological drawing
- Biological drawings are done according to fixed guidelines. They must be an accurate representation of the actual object in terms of size and shape.
    - **P**roportion
    - **A**ccuracy
    - **L**ines
- Drawings are always done with pencils.
- Guidelines used for biological drawings are:
    - Clear (visible) lines
    - Clean (no smudges) lines
    - Smooth (no jagged or sketchy) lines
    - No shading
    - Large (about half of a page)
    - Accurate labelling
    - Labels should be at the sides
    - Contains an appropriate title

Activity

1. Guidelines used for biological drawings

Examine each picture in the table.

State if the drawing in each the picture actually follows the guidelines listed.

Biological drawing	Guideline	Feedback
 Parts Of A Flower Drawing clipart.email	○ Lines should be clean ○ Lines should be smooth ○ No shading	**(i). Drawing has …..**
 Essential Parts Flower Plant ... depositphotos.com	Labels should be at the side of the drawing.	**(ii) Drawing has …..**
 Anatomy of Flower coloring page | Free Printable Coloring Pages supercoloring.com	Lines should be clear (visible)	**(iii). Drawing has …..**

2. Biological drawings

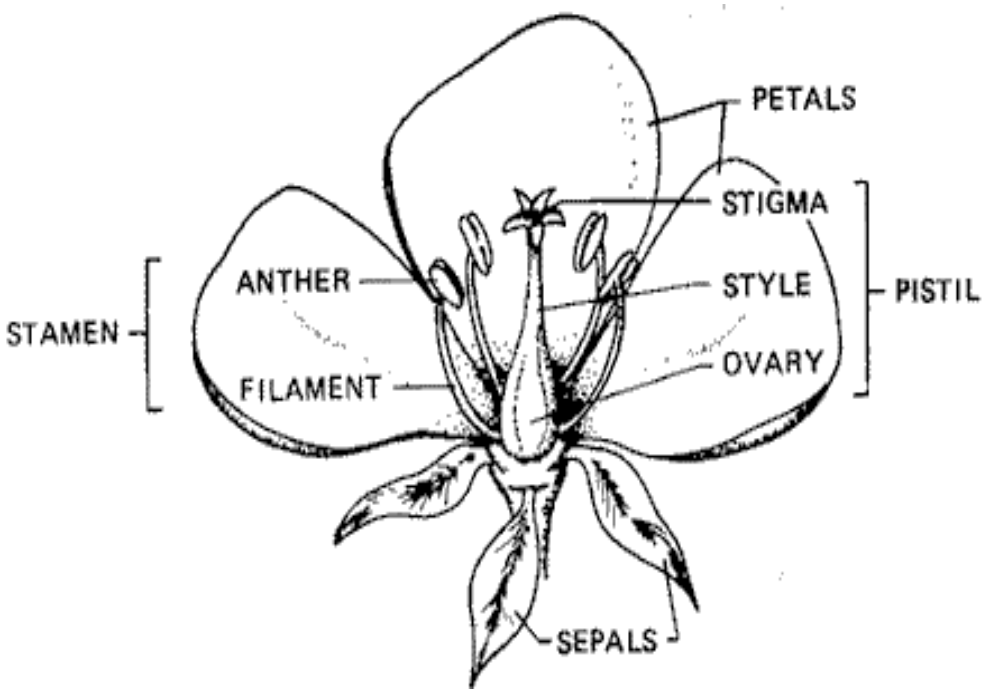
Use the table below to do a biological drawing of a petal, a stamen and a pistil.

Label the parts of the stamen and pistil.

Give each drawing a title (name)

Picture	Biological Drawings		
	Petal	**Pistil (stigma and style)**	**Stamen (anther and filament)**
 **pinterest.com**			

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TITLE: Drawing of a flower.

3. Below is a list of guidelines for doing a biological drawing. Use the list to determine if the guidelines were followed for the above drawing.
   A tick means the guideline is followed while X means it is not done.

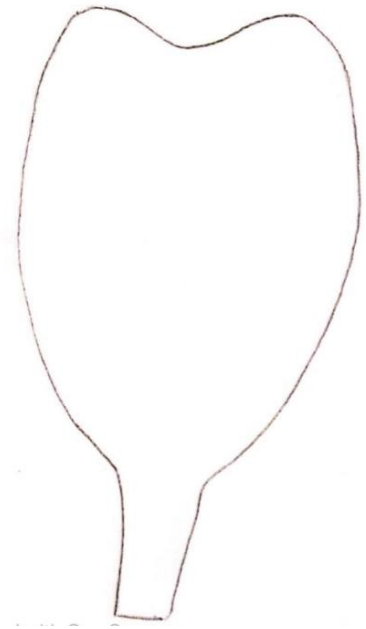
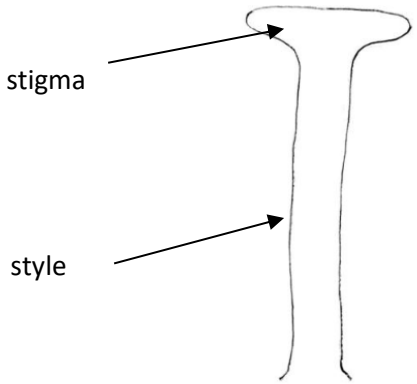
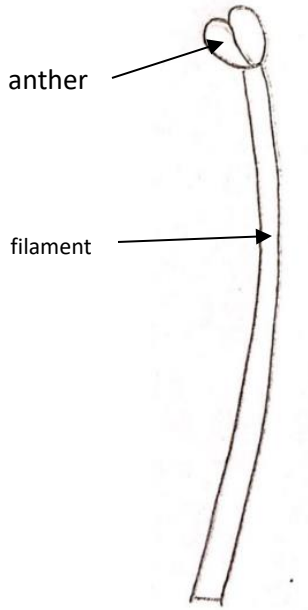
Guidelines	✓ **or X**
Clear (visible) lines	
Clean (no smudges) lines	
Smooth (no jagged or sketchy) lines	
No shading	
Large	
Accurate labelling	
Labels should be at the sides	
Contains an appropriate title	

ANSWER KEY

1.

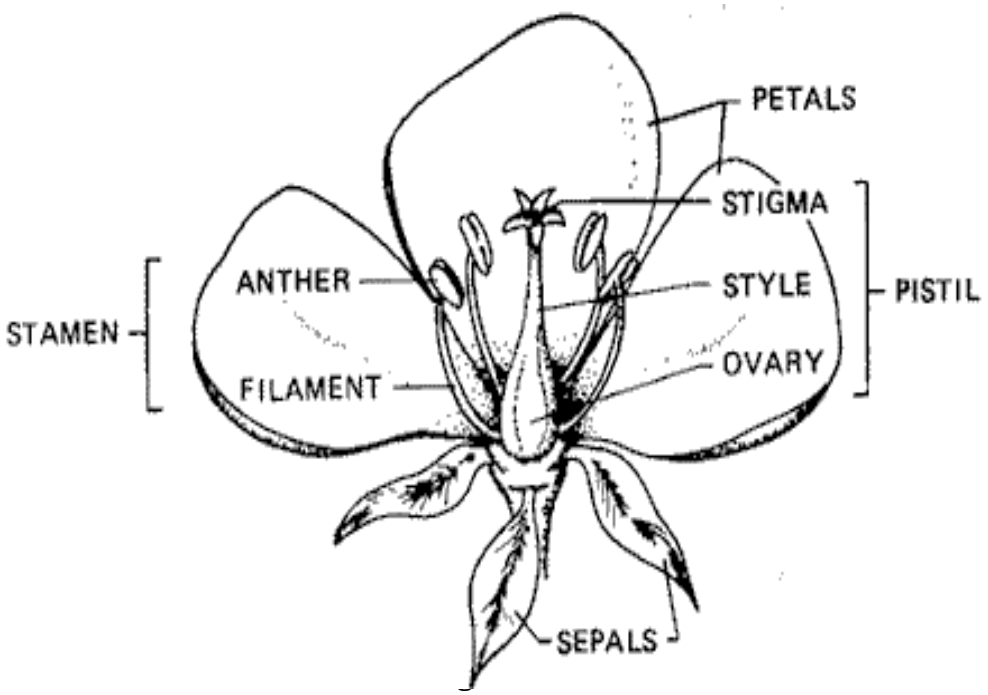
(i). o Lines are not clean o Lines are not smooth o There is shading
(ii) Labels are on the drawing**.** They should be at the sides.
(iii). Lines are too light so they are barely visible

2.

Picture	Biological Drawings		
	Petal	**Pistil (stigma and style)**	**Stamen (anther and filament)**
 **pinterest.com**			

https://www.cbsetuts.com/ncert-solutions-for-class-7-science-chapter-12/

3



TITLE: Drawing of a flower.

Commenting on Drawing:

Guidelines	✓ **or** **X**
Clear (visible) lines	X
Clean (no smudges) lines	X
Smooth (no jagged or sketchy) lines	✓
No shading	X
Large	X
Accurate labelling	✓
Labels should be at the sides	X
Contains an appropriate title	X

Acknowledgements

Activity with Picture	**Reference**
1. Guidelines used for biological drawings (i)	https://www.clipart.email/clipart/parts-of-a-flower-clipart-2336.html Parts Of A Flower Drawing clipart.email
1. Guidelines used for biological drawings (ii)	https://depositphotos.com/218038490/stock-illustration-picture-show-essential-parts-flower.html Copied from Google Images Essential Parts Flower Plant ... depositphotos.com
1. Guidelines used for biological drawings (iii)	http://www.supercoloring.com/coloring-pages/anatomy-of-flowe Anatomy of Flower coloring page | Free Printable Coloring Pages supercoloring.com
2. Biological drawings	https://www.pinterest.com/pin/303078249899184901/. Copied from Google Images pinterest.com
3.Drawing of a flower	https://fortress.wa.gov/ecy/gisresources/lakes/AquaticPlantGuide/drawings/flower.html Glossary drawing of flower parts | Aquatic Plant Identification ... fortress.wa.gov