

Name: _____ Date: _____ Block: _____

What we think will happen:

The variables we will test:

The variables we will not change:

How we will test the variable:

My plants are:

- ☐ Control Plants
- ☐ Experimental Plants

Name: _____

Date: _____

Block: _____

| Plant 1 | Observations | Measurements | Sketch |
|---------|--------------|--------------|--------|
| | | | |
| Plant 2 | Observations | Measurements | Sketch |
| | | | |
| Plant 3 | Observations | Measurements | Sketch |
| | | | |
| Plant 4 | Observations | Measurements | Sketch |
| | | | |

Name: _____ Date: _____ Block: _____

1. The one variable we will test is: _____

2. The question we will try to answer is:

3. In order to make our experiment a fair test, we will keep all of these variables constant (unchanged):

- 1) _____
- 2) _____
- 3) _____
- 4) _____
- 5) _____

4. Will we need some special materials or equipment? ____ If so, what will we need?

5. What we will measure:

6. What will we count:

7. What we will observe:

8. What we think will happen to the experimental plants:

Data Record: Seeds and Pods

Experiments with Plants Lesson 8: Activity Sheet 5

Name: _____ Date: _____ Block: _____

| Plant Number | Number of Pods | Number of Seeds | Length of Pods | Other Observations |
|--------------|----------------|-----------------|----------------|--------------------|
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |

Data Record: How did each of the variables affect the plants?

Experiments with Plants Lesson 9: Activity Sheet 6

Name: _____ Date: _____ Block: _____

The variable I tested was:

| Characteristic/Observation | Plant 1 | Plant 2 | Plant 3 | Plant 4 |
|------------------------------------|---------|---------|---------|---------|
| 1. Height | | | | |
| 2. Number of leaves | | | | |
| 3. Number of buds | | | | |
| 4. Number of flowers | | | | |
| 5. Number of pods | | | | |
| 6. Number of seeds | | | | |
| 7. Day seeds germinated | | | | |
| 8. Day first true leaves developed | | | | |
| 9. Day first buds appeared | | | | |
| 10. Day first flower appeared | | | | |
| 11. Day first petals fell | | | | |
| 12. Day first pods appeared | | | | |

Observations and Data Collection for Germination Experiment

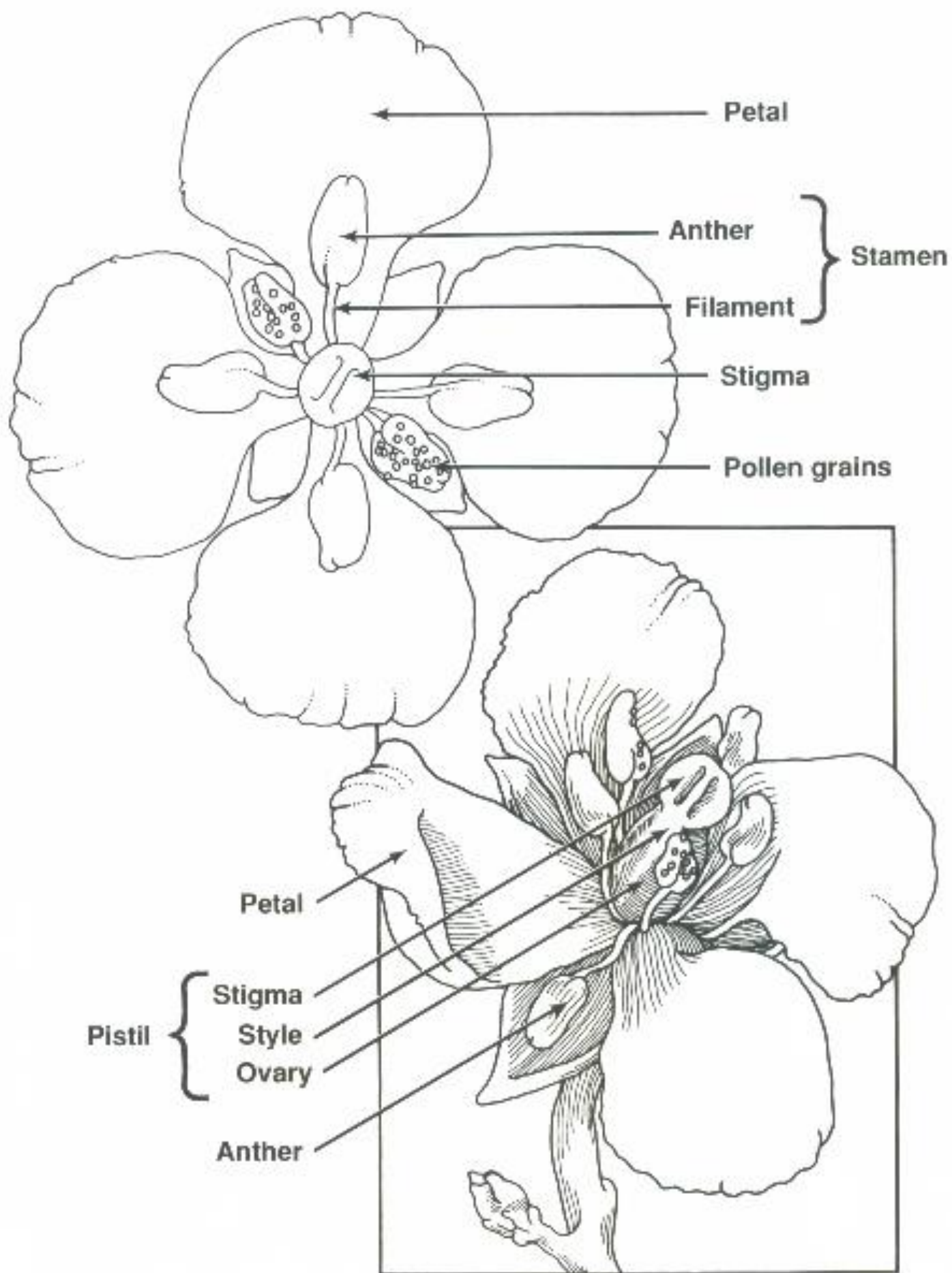
Experiments with Plants Lesson 12: Activity Sheet 8

Name: _____ Date: _____ Block: _____

The variable I am testing is: _____

I started my experiment on: _____ (date) at _____ (am/pm).

| Control Seeds | | | Experimental Seeds | |
|---------------------|-----------|--------------|--------------------|--------------|
| Changes in the seed | Time/Date | Observations | Time/Date | Observations |
| Seed swells | A. | | C. | |
| | B. | | D. | |
| Seed coat cracks | A. | | C. | |
| | B. | | D. | |
| Radicle emerges | A. | | C. | |
| | B. | | D. | |
| Cotyledons appear | A. | | C. | |
| | B. | | D. | |





How Did Each of the Variables Affect the Plants?

