

Name: _____ Date: _____ Class: _____

Cuticle Procedures

Reaction Scheme

Corn Starch	10 g
Water	60 ml
Vinegar	5 ml
Glycerin	5 ml

Directions: Make sure you add qualitative and quantitative observations as you move through each procedure step.

Procedures	Observations
1. In a 1000 ml beaker add 10 g of cornstarch (using weigh paper and a balance)	
2. Add 5 ml of vinegar (using a 10 ml graduated cylinder) to the same beaker	
3. Add 5 ml of glycerin (using a 10 ml graduated cylinder) to the same beaker	
4. Add 60 ml of Water (using a 100 ml graduated cylinder) to the same beaker.	
6. Stir the mixture using a silicon spatula until the corn starch is dissolved and mixture is thoroughly combined	
7. Measure out 30mL of the mixture (using a 100 ml graduated cylinder) and dispense into to a clean 250 ml beaker	
9. Add 0.6 g of the phosphorescence solid to the 60 ml mixture in the 250 ml beaker	
8. Stir the mixture using a clean silicon spatula until the phosphorescence solid is completely dissolved throughout	
9. Heat the mixture in the 250 ml beaker using a hot plate preheated to 400°C	
10. Stir the mixture using a clean silicon spatula until the phosphorescence solid is completely dissolved throughout.	
11. Continue to heat and stir the mixture for 6 minutes and 30 seconds	
12. Transfer the heated mixture over the previously prepared epidermis into a labeled petri dish using the silicon spatula and heat glove.	
13. Allow the sample to dry and harden overnight. Do not cover!	