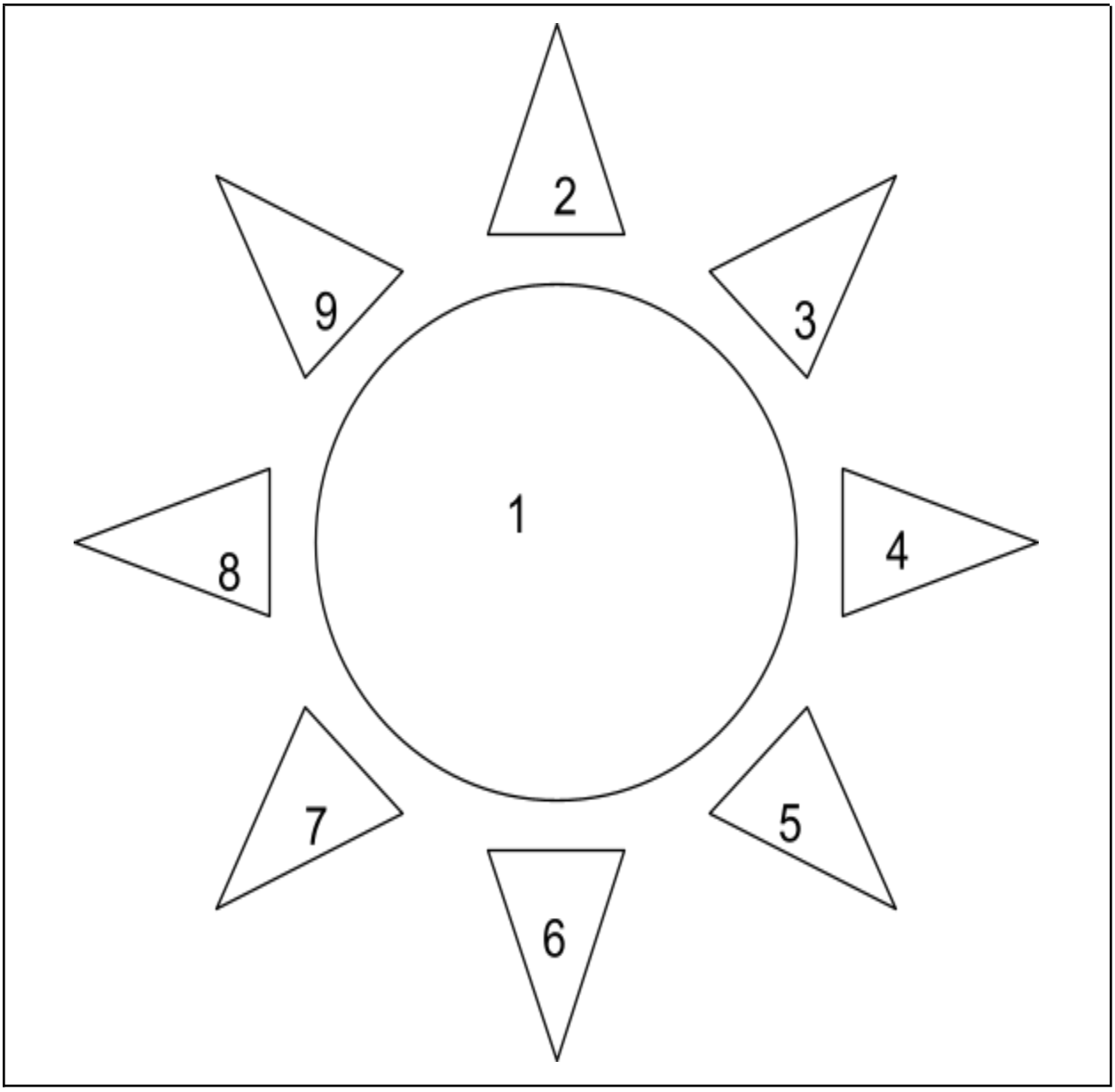
Student Worksheet

Exploring Ectothermic and Endothermic Organisms

Identifying endothermic and ectothermic organisms

If the answer to #1 is ectotherm, you would color the #1s in the picture yellow.If the answer is endotherm, you would color it blue

1. SNAKE		2. LION		3. LIZARD	
endotherm	ectotherm	endotherm	ectotherm	endotherm	ectotherm
blue	yellow	brown	red	green	red
4. DOG		5. FROG		6. HUMMINGBIRD	
endotherm	ectotherm	endotherm	ectotherm	endotherm	ectotherm
purple	pink	black	red	red	Dark blue
7. FISH		8. PENGUIN		9. TURTLE	
endotherm	ectotherm	endotherm	ectotherm	endotherm	ectotherm
brown	blue	pink	blue	green	purple



DATA COLLECTION

Type of Lizard:_____
High temperature _____
Low Temperature _____
Hot spot _____

Type of Surface	Location	Temperature after 1 min	Would this be a good location for your reptile? Yes or No

Which location (if any) would be the best for your reptile? Explain and use the data you collected to explain your reasoning. If NO locations were suitable, explain this as well, again, including data from your experiment.

Design your habitat and label each of the parts.

Reflection

1. How do you think a reptile's day would be different than a human's?

2. What are advantages to being ectothermic?

3. What are the disadvantages?

Write a Story

If you had to spend time out in the natural environment of our class pet, so it could visit its family, what would it be like for you? You would have to eat what it eats, sleep where it sleeps, etc. Explain why you feel this way