AP BIOLOGY
ECOLOGY
ACTIVITY #2

NAME	
DATE	HOUR

BEHAVIORAL ECOLOGY

Define the fol	lowing terms:		
Ethology			
Behavior			
Match the de	scription/example with the	e correct	behavior category.
		F. G.	Insight Instinct (innate) Observational learning Operant conditioning
Beha	viors that are inherited		
In ma	rmed virtually the same benvironmental conditions ammals, the female parer	t cares fo	or offspring
	usually carried to complet ered by a sign stimulus		
1 1	the nest is the stimulus. I	oack into Even if th	the nest. The egg outside
Male - -	stickleback fish defend the red belly of males is the so Nikolass Tinbergen discov riggers the same aggress	timulus fo ered any ive behav	object with a red underside vior
	iing that occurs during a s rreversible	specific tir	ne period; generally

	graylag goslings (even a human)	vered that during the first two days of life, will accept any moving object as their moth ant stimulus with a fixed physiological response.	
_	rather than the r	ehavior in response to a substitute stimulus normal stimulus were conditioned to salivate in response to a	a bell
	Trial and error learning	ng	
	Animal associated a b	behavior with a reward or punishment	
	painful shocks Learned behavior tha stimuli Sea anemones pull for tentacles; if the the tentacles will attempts to capt when animals copy the experienced any When an animal, exp relevant experienced desirable outcomes	he behavior of another animal without havir prior positive reinforcement posed to a new situation and without any pri- ence, performs a behavior that generates a	s, ng
		C. Taxis	
В.	Migration		
	Change in activity rat	te in response to a stimulus	
	Sowbugs become mo areas	ore active in dry areas and less active in wet	
		toward or away from a stimulus	
	Houseflies automatica	ally move away from light after feeding	
	Long-distance, regula each year	ar movements that often involve a round trip	р