

Name: _____

Period: _____ Date: _____

Construct a Cladogram: Problems

Procedure: Using the characters in the data table construct a Venn diagram and a cladogram, or phylogenetic tree.

I. Guided Practice:

Taxa

Characters	Shark	Bullfrog	Kangaroo	Human
Vertebrae	X	X	X	X
Two pairs of limbs		X	X	X
Mammary glands			X	X
Placenta				X

II. Independent Practice

Animals

SETS	TRAITS	Kangaroo	Lamprey	Rhesus Monkey	Bullfrog	Human	Snapping Turtle	Tuna
SET 1	Dorsal Nerve Cord Notochord	X	X	X	X	X	X	X
SET 2	Paired Appendages Vertebral column	X		X	X	X	X	X
SET 3	Paired legs	X		X	X	X	X	
SET 4	Amnion (Amniotic sac)	X		X		X	X	
SET 5	Mammary Glands	X		X		X		
SET 6	Placenta			X		X		
SET 7	Canine teeth short Foramen magnum fwd					X		