## Animal Intelligence/Cognition

Some questions to ponder as we view the videotape	Some	questions to	o ponder	as we	view	the	videotape	s:
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Some	questions to ponder as we view the videotapes:
Joine	
•	What is intelligence?
•	Is there evidence that animals can think? What are they thinking? What do they understand?
	understand:
•	How much are animals like us?
•	Can animals learn? What evidence is there that animals learn? Do animals learn
	differently from human children? Are there variations in learning abilities in animals as with humans?
•	
	Are animals intelligent? Are animals smart? What evidence can you provide? Are
	dolphins, rats, dogs, cat, primates, birds, intelligent? Compare and contrast.
•	An interesting research project would be to find out how the government and military are using dolphins, pigeons and other animals in top secret missions.
	and doining doiprinner, projection and control and only a control and control
•	Students often ask: What's the purpose of training animals? How is this going to
	benefit humans?

•	Can you name animals and their specific bel intelligent behavior. Is there evidence of lar	haviors that indicanguage?	te they display	
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•	Is personality related to intelligence?			
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•	Can animals experience psychological proble	ems, iust as huma	ns?	
•	Do animals show empathy and compassion?			
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•	Why is there such a human-animal bond?			
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•	How are animals and humans useful to each	other? Is there a	n interdependence	
	between humans and animals? What is it as	nd how is it so?		
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## **Notes and Questions**

- Sue Savage-Rumbaugh says that the overarching goal of the research undertaken by her Center was to develop technologies and teaching strategies designed to facilitate the learning of language by persons with mental retardation. In looking at her work with Kanzi, do you think that such work can find clues as to how to communicate with mentally retarded persons?
- How do the research approaches differ with each researcher teaching language and cognition to their animal subjects? Which approach do you think makes the most sense and why? Is it useful for these animals to know and comprehend the English language?

 Research now reveals that most of the apes that are being taught language are bilingual or trilingual. Can you identify this in the apes being presented on the videos?

• The machine that has been devised to display the "lexigrams" is the language called "yerkish." Kanzi, a male bonobo, learned Yerkish entirely by watching human trainers and his own mother use the system. Now Kanzi can understand between two and three thousand spoken English words, as well as all of the 250-plus keys on the Yerkish keyboard.

• 4	It is reported human langu	d that Kanzi ar Jage. Bonobos	nd others see s use Yerkish	m to understa to discuss th <del>i</del> r	nd many of ngs they will	the comple do hours i	exitites of n the
	future, as we	ell as things th	ney did yester	day. They kn ivities they pla	ow, for exar	nple, the w	ord/
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•		g the videos, pared to hum		note of the na	tural insight	s that thes	e animals
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•		ndicators are	present that i	eveals that th	ese animals	have cogr	iitive
	abilities?						
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	Do any or the	.se animais e	. Picaa emotic	ii. Wilde Spec	,	io and expir	
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