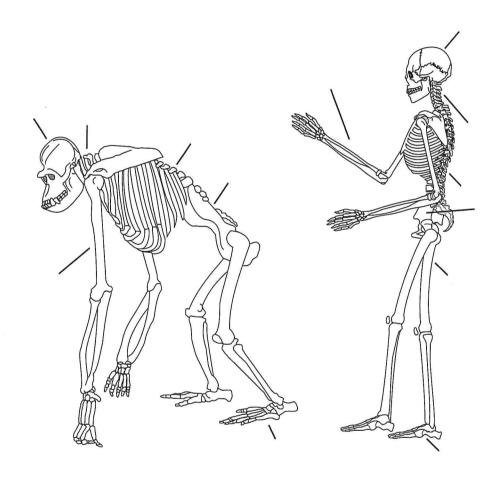
Review Questions

· · · · · · · · · · · · · · · · · · ·		
Describe the features of prima	ates.	
-		
	-	
(a) Complete the following	table showing the c	classification of humans and apes.
(a) Complete the following Kingdom	table showing the c	classification of humans and apes. Animalia
	table showing the c	
Kingdom	table showing the c	
Kingdom Phylum	table showing the c	
Kingdom Phylum Class	table showing the c	
Kingdom Phylum Class Order Family		Animalia
Kingdom Phylum Class Order		Animalia
Kingdom Phylum Class Order Family		Animalia

- (a) Distinguish between a 'power' grip and 'precision' grip.(b) Which primate group has a precision grip?
- 6. (a) Label these diagrams of ape and human skeletons.



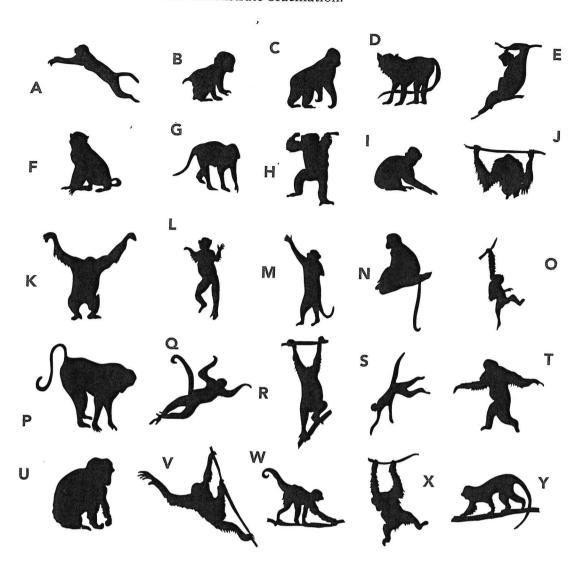
(b) Compare the differences between apes and modern human using the table below.

Feature	Modern Humans	Apes
Skull		
Spinal column		
opinal column		

Pelvis						
Legs						
Feet						
Hands						
List some adv	antages of being	; bipedal and	explain why	each is	an advan	itage.
i)						
ii)					,	
					,	
iii)iv)						
iii)iv)						
iii)iv)	nates who have	the following	dentition.	(c)		
iii)iv)Name the prin	nates who have	the following	dentition.	_ (c)		
iii)iv)	nates who have	the following	dentition.			
iii)iv)	nates who have	the following	dentition.			

2	Cranial capacity	Time of existence	Skull features	Dentition prognathism	Opposability of digits	Pelvis structure	Limb and foot structure	Other
Australopithecus afarensis								
Australopithecus africanus								
Paranthropus robustus								
Homo habilis								
Homo erectus								
Homo neanderthalensis	,							
Homo sapiens								

11. Circle the outlines that demonstrate brachiation.



- 12. The environment inhabited by our primate ancestors changed from woodland forest to savannah in our early evolution. How did this influence the method of locomotion used?
- 13. Which fossil hominid group first showed convincing evidence of bipedalism?
- 14. The information in question 10 indicates an increase in cranial capacity.
 - (a) Which part of the brain has increased in size?
 - (b) What does this indicate about the cognitive abilities of these groups?

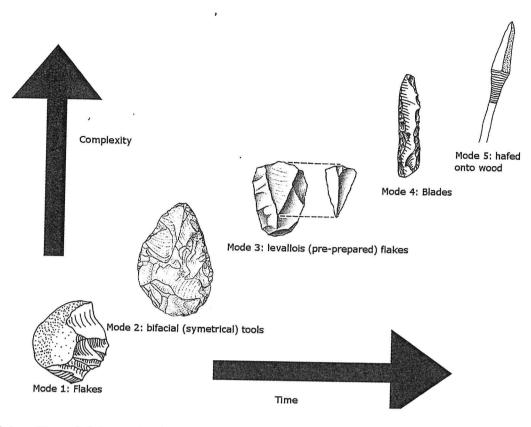
15. Identify these skulls. (b) _____ (c) __ (d) _____ (e) _____ (f) _____ (g) _____ (i) ____ What are the most distinguishing features used to classify these skulls? 16. What other information would be helpful in classifying these skulls? 17. Which hominin most probably first communicated by speech? 18. What evidence is there to support this idea? (b)

-		
_		
11.	The use of biotechnological techniques has enabled the sequencing of modern human genomes. This information can then be used to show etween them.	some fossil
A	possible relationship is shown below.	
		African
		European
	cestral mo sapiens	le di co
		Indigenous Australian
		Australian Asian
WI		Australian
WI	hich groups are the most closely related? Why?	Australian
W!		Australian
WI		Australian
W1		Australian
WI		Australian
(b)		Australian
	hich groups are the most closely related? Why?	Australian
(b)	what is the limitation of sequencing fossil genomes?	Australian
	hich groups are the most closely related? Why?	Australian

(b) How can these be interpreted?	*
22. Identify each of the hominin groups th	nat made these tools and name their culture.
(a) Hominin:	(b) Hominin:
Culture:	Culture:
(c) Hominin:	(d) Hominin:
Culture:	Culture:
e) Hominin:	(f) Hominin:
Culture:	Culture:

(e)

23. This image shows the development of tools across the years.



- (a) How did the tools change in terms of complexity?
- (b) What does the complexity of the tools indicate about the cognitive abilities of the people making them?
- (c) Which groups of hominins can be associated with each tool type?
 - 1. _____
 - 2.
 - 3. ____
 - 4. _____
 - 5. _____
- (d) How does the specialisation of tools change over time?

	(e) 	time? Why?
24.	(a)	The dietary choices of early hominins may have been enhanced by the use of tools. Explain.
	(b)	What advantages might the addition of meat in the diet have had for early hominins?
25.	(a)	What is culture?
- (b) (Give some examples of cultural evolution.
(c)) Но	ow does biological evolution differ from cultural evolution?

26	. (a) What is a kitchen midden? What can you find in one?
	(b)	What is the significance of kitchen middens in understanding the social and cultural aspects of the life of the people associated with them?
27.	(a)	Which hominin most probably first used fire?
	(b)	What evidence is there to support this idea?
	(c)	What advantages would there be in using fire?
8.	(a)	Which hominin most probably started to consider an afterlife or spirit world?
o	(b)	What evidence is there to support this idea?