

Student Name: \_\_\_\_\_



# Year 10 Science Life & Living

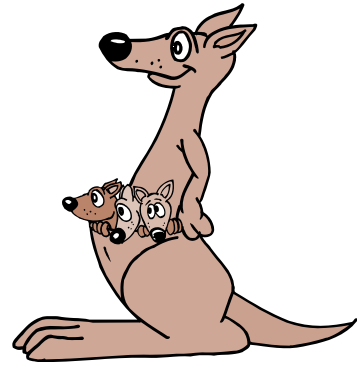
## Student Workbook

[www.billabongsanctuary.com.au](http://www.billabongsanctuary.com.au)

**Animals develop strategies that aid survival including external and internal fertilisation and extended care for the young.**

**Variations of species occur as a result of genetic and environmental factors.**

**Technologies are consistently developed to aid reproduction in endangered species.**



### **Part 1 - SURVIVAL STRATEGIES**

**Animals develop different strategies to survive in nature.**

i) Choose 3 animals from this morning's lecture and list those survival strategies of each animal?

a)

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b)

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c)

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ii) Select 1 of these animals and in the space below, draw the physical characteristics that help this animal to survive in nature.



**Part 2: REPRODUCTION**

**Animals have different and unique reproductive characteristics. For example, marsupials give birth to a very tiny “underdeveloped” baby, whereas placental mammals invest a lot of energy in developing the baby **INSIDE** their bodies.**

- i) Select two different animals from the Billabong Outdoor Classroom talk. Compare and contrast each reproductive characteristic, method of fertilisation and mating habit.

	<b>Animal 1</b>	<b>Animal 2</b>
Reproductive characteristic		
Method of fertilisation		
Mating habit		

**Part 3: CARING FOR THEIR YOUNG**

Imagine you are the young offspring of any 3 animals in today's lecture. For each animal, answer the following questions.



- 1) As soon as you are born, what does your mother do to care for you?
- 2) What dangers do you face in the first few weeks after birth?
- 3) What type of support do your parents provide for you in the first 6 months of life?

**ANIMAL A.....**

- 1)  
\_\_\_\_\_
- 2)  
\_\_\_\_\_
- 3)  
\_\_\_\_\_

**ANIMAL B.....**

- 1)  
\_\_\_\_\_
- 2)  
\_\_\_\_\_
- 3)  
\_\_\_\_\_

**ANIMAL C.....**

- 1)  
\_\_\_\_\_
- 2)  
\_\_\_\_\_
- 3)  
\_\_\_\_\_

## **PART 4: BREEDING TECHNOLOGIES FOR ENDANGERED SPECIES**



**Billabong Sanctuary performs an important role in breeding and maintaining specific species within the park.**

**Different animals require different support networks and technologies to maintain breeding.**

1) Choose 1 animal and identify the types of technology that is required in the support of breeding endangered species.

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### **Conclusion**

In the space below draw the animal that most interested you today.