

Problem	
Singapore's Solution(s) (action plans and procedures)	
Outcomes (effects, impact and future)	

Name: _____

Such Resilience!



Lower Secondary Activity Sheet

ACTIVITY 1: THE POWER OF RESILIENCE

Plants can be very resilient. Some have adaptive traits (structural or behavioural) that enable them to survive the changes in environmental conditions.

- (a) What are some environmental conditions that will affect the survival of a plant? Discuss with a partner and list them here.

- (b) There is a plant at the Australian Garden (Flower Dome) that has a charred appearance. It looks very much like grass but with a "trunk". What is its common name?

(c) The plant identified in (b) often encounters a natural disaster in its habitat. State what it is and describe how the plant is able to adapt to these conditions.

Natural Disaster	
Adaptation(s)	

ACTIVITY 2: ADAPTED TO FIRE

(a) There is another plant at the Mediterranean Garden (Flower Dome) that has a thick and rough bark that enables it to survive wild fires. What is its common name?

(Hint: Look for the panel near *Pollen* and read more about it)

(b) Describe the plant's adaptation(s) and list its uses.

Adaptation(s)	
Uses	

GROUP ACTIVITY: OVERCOMING THE ODDS

From the examples covered in this activity sheet, it is clear that these plants are able to make the best of a disaster and overcome it through regrowth.

Think about Singapore. Identify a time of tribulation (relating to the economy, security, resources, disasters, etc.) that the country had to endure. How did Singapore overcome this period of difficulty?

Discuss in your groups and describe it in the table in the next page.