

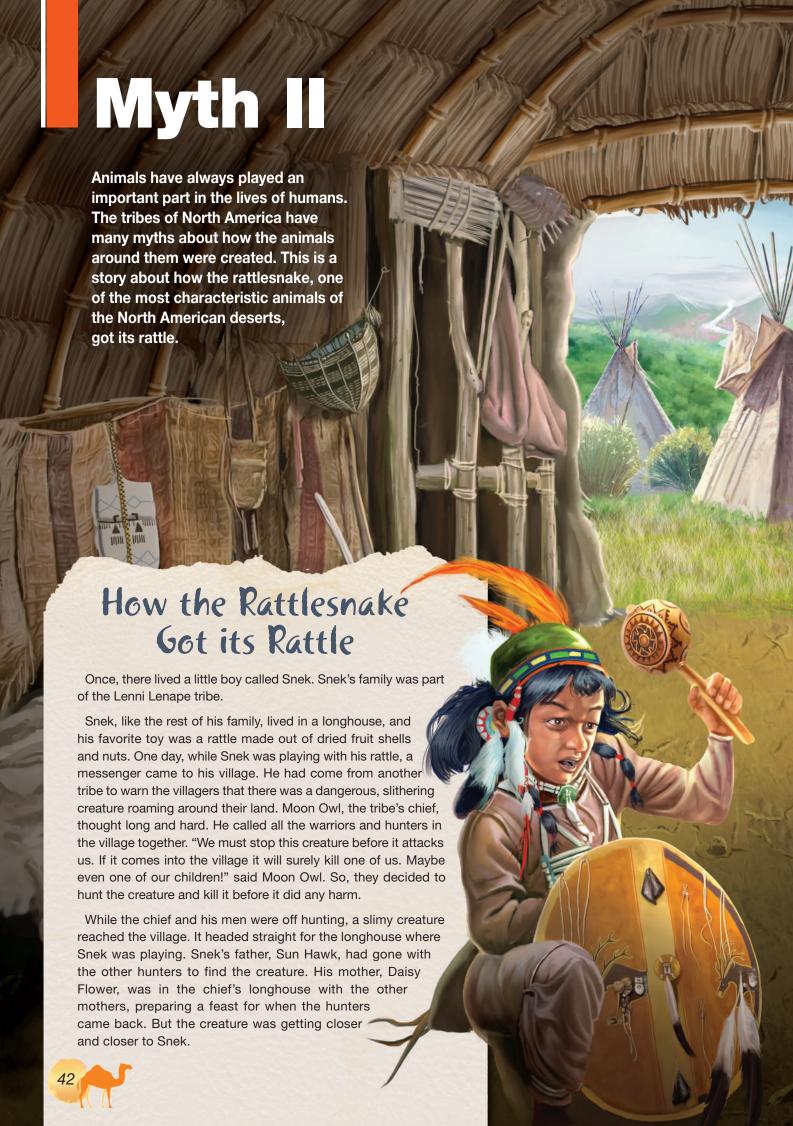
Introduction

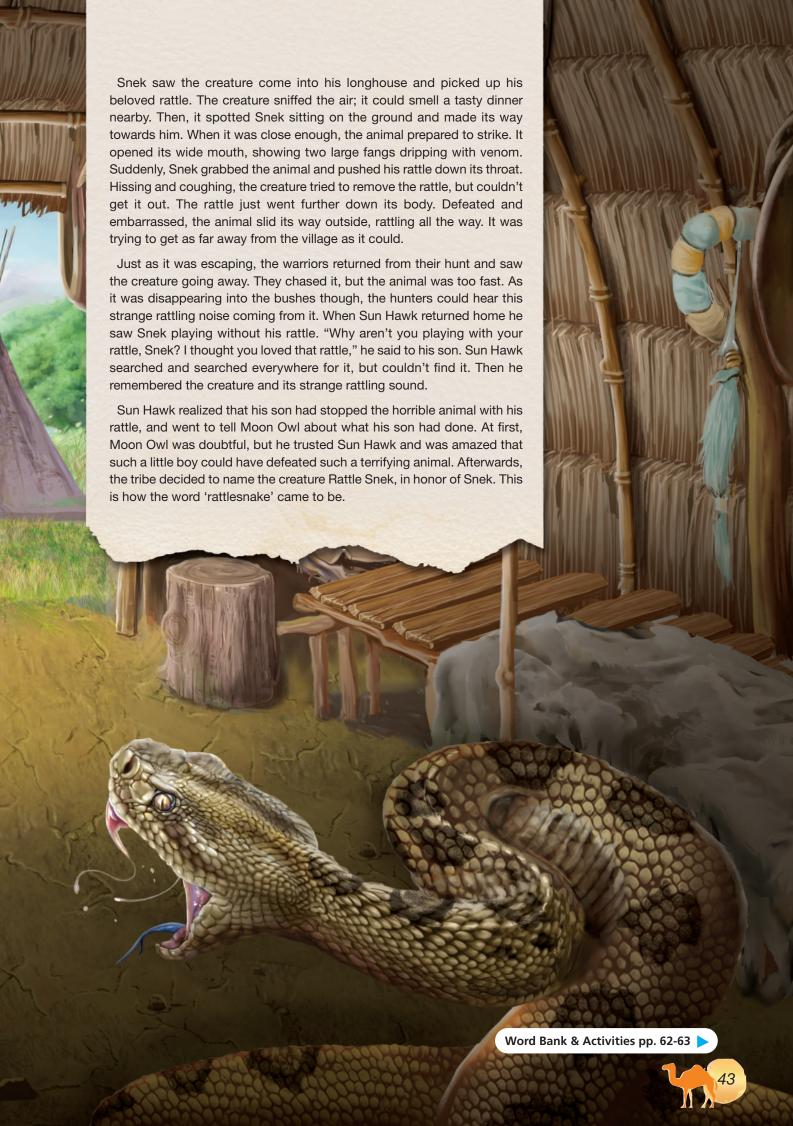
Il plants and animals on our planet have adapted in order to survive. Plants and animals which live in cold habitats, near the North Pole, have developed very differently to those in hot habitats, like the Sahara Desert. Different adaptations allow plants and animals to survive in their unique ecosystems. A camel for example, has wide feet for walking on sand, and can survive a long time without water. An ecosystem, like that of a desert, or of a rainforest, is a community of flora and fauna that all need each other in order to survive in that specific habitat. A large group of ecosystems, which share similar geographical and climatic habitats, is called a biome.

Biomes are life zones with a shared climate and geography. The desert biome for example, is mostly hot, rocky or sandy and has little rainfall. A number of different systems are used for defining the number of biomes, whether aquatic or terrestrial. The major terrestrial types are the Tundra Biomes, the Forest Biomes, the Grassland Biomes, and the Desert Biomes.









Desert Landscapes & Features

Word Bank

(pp. 14-15)

landscape (n) = scenery

feature (n) = characteristic

Tuareg (n) = Berber nomadic people who live in the Sahara desert

caravan (n) = a group of people traveling together

fertile (adj) = rich, able to support plant growth

aquifer (n) = an underground layer of rock or sand that can absorb and hold water

artesian well (phr) = a deep hole in the ground which leads to a supply of underground water that is forced to the Earth's surface

cluster (n) = a small group

vast (adj) = extremely large

irrigated (adj) = having a constant supply
 of water so that plants can grow

crop (n) = a plant that is grown in large amounts so that humans can eat it

shelter (n) = a place that offers
 protection from danger, extreme
 weather, etc.

nearly (adj) = almost

march (v) = to walk in a military way

characteristic (adj) = typical

mass (n) = a large amount of sth

ridge (n) = a long, narrow area of raised land still (adj) = not moving

pattern (n) = the way sth is arranged, designed, etc.

structure (n) = form

essentially (adv) = basically

erode (v) = to destroy sth over time by constantly damaging its surface

grain (n) = a tiny, hard piece of sth (e.g. salt, sand)

loose (adj) = not held tightly together

breeze (n) = a gentle wind

obstacle (n) = an object that blocks the way to sth

(pp. 16-17)

playa (n) = an area of flat land in a desert which can become a shallow lake

flat (adj) = smooth

interior (n) = the inside part of sth

evaporate (v) = to change from a liquid into a gas

mud (n) = soft, wet soil

process (n) = procedure

tectonic plate (phr) = a huge piece of the Earth's surface which shifts very slowly, often causing earthquakes and volcanic eruptions

erosion (n) = the slow destruction of sth over time by sth else constantly damaging its surface landslide (n) = a large amount of earth, rocks, and other materials falling off a cliff or a mountain and damaging the surface below

meteor strike (phr) = an amount of space rock entering the Earth's atmosphere and hitting the Earth's surface

salt deposit (phr) = salt which was once contained in a pool of water but which has now been left on the ground as the water dried up

haboob (n) = a strong and violent desert storm which is able to raise sand into the air

fast-moving (adj) = drifting rapidly

dense (adj) = thick

tornado (n) = a violent wind storm which has a single column of air that spins very fast

pick up (phr v) = to lift

caravaneer (n) = a person who travels in a caravan

subjected (adj) = affected by

shield (n) =

eyelash (n) =

nostril (n) =

Pre-Reading activities



a) Choose the word/phrase that best completes each sentence.

- Bolivia North America high sand drought rock wide
- beaches
 glass
 water evaporation
 sandstorms
 hills
- 1 Some sand dunes in the desert can be more than 3,000 feet
- 2 Flat areas of salt land in the desert have been created by
- 3 Sand dunes can be found in deserts, semi-arid areas, and on
- 4 Sand is basically very small pieces of that has been made smaller over time.
- 5 Haboobs carry huge amounts of into the air.
- - b) Listen, read, and check if your answers were correct.

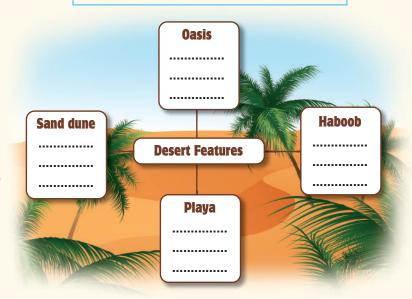
While-Reading activities

- Read the text, and choose the correct answer A, B, C, or D.
- 1 Oases are very important, because they provide
 - A a cluster of palm trees for food.
 - B water and shelter for people.
 - C a vast number of crops.
 - **D** a place to begin crossing the desert.
- 2 Which is NOT true about sand dunes?
 - A They can be found near the sea.
 - **B** They are formed when sand hits against a tree or a rock.
 - **C** They come in different shapes.
 - **D** They hardly ever move.
- 3 Most playas are formed
 - **A** when salt, sand, and mud are left behind when water evaporates.
 - **B** when being covered by extremely salty water.
 - C by the movement of the wind.
 - **D** by large volcanoes that are nearby.
- 4 Haboobs often occur
 - A by rising cold and warm winds.
 - **B** when a sandstorm and a tornado hit each other.
 - C in the northern Sahara.
 - **D** at the end of a thunderstorm.
- Choose the correct word/phrase.
- 1 Playas can be created by tectonic **plates/** landslides moving underground.
- **2** Wind **erosion/grain** can do a lot of damage to rocks in the desert.
- **3** When large amounts of desert material are carried into the air, a **dense/still** wall of sand forms.
- **4** A meteor **strike/breeze** can move a lot of sand very quickly, and badly damage the ground.
- **5** A large **mass/cluster** of sand shaped by the wind and formed into a ridge is called a sand dune.

- SUBJECT-SPECIFIC VOCABULARY: Fill in: deposits, artesian, landslides, fertile, caravans.
- **1** People have been traveling inin the desert for hundreds of years.
- **2** The oasis is the only ground found in the desert.
- **3** When water evaporates from lakes in the desert, it leaves large salt
- 4 A(n) well supplies water to an oasis.
- 5 can also be responsible for the creation of playas.

After-Reading activities

- a) SUBJECT-SPECIFIC VOCABULARY: Complete the spidergram with the words/phrases below.
 - strong winds artesian well salt deposit
 - fertile sandstorm breeze obstacle
 - evaporate shelter flat surface
 - wall of sand grains



b) Use the information from the spidergram to give a talk about the different features of arid deserts.

Myth I

Word Bank

(pp. 40-41)

monster (n) = a supernatural being

form (n) = appearance; shape

pray (v) = to ask God for help

collection (n) = a group of similar things

tale (n) = story

attendant (n) = a helper, person employed
to serve

come across (phr v) = to meet or find by chance

magnificent (adj) = very impressive

chase (v) = to run after sth/sb

beast (n) = a wild animal

grow (v) = to become

escape (v) = to get away

keep up (phr v) = to go at the same speed as sth/sb else

confused (adj) = not knowing what to do

be in trouble (phr) = to have difficulties

suddenly (adv) = unexpectedly

exhausted (adj) = extremely tired

take pity on sb (phr) = to feel sorry for sb

ruined (adj) = falling apart, collapsing

impatient (adj) = upset because you are waiting for sb/sth for too long

secretly (adv) = without being noticed

chilling (ad) = frightening

horrified (adj) = very afraid

panic (v) = to feel very worried and afraid

fear (v) = to be afraid of sth

greatly (adj) = very much

wealthy (adj) = rich

satisfied (adj) = happy

evil (n) = sth that is very bad and can harm you very much

vanish (v) = to disappear

palace (n) = a place where kings and queens live

ordeal (n) = a very unpleasant experience

realize (v) = to understand

Pre-Reading activities

- a) Choose the word/phrase that you think best completes each sentence.
 - 1 Desert people feel that the desert is a safe/dangerous place.
 - 2 A prince got lost while hunting/ran away from home.
- 3 The prince found a woman who was sleeping/crying.
- 4 The prince asked the woman for directions/let the woman ride on his horse.
- 5 The prince realized that the woman wanted to harm/marry him.
- 6 The prince managed to get back to his home after he prayed/ fought and won.
 - b) \bigcirc Listen, read, and check if your answers were correct.

While-Reading activities

- a) Decide if the following sentences are T (true) or F (false).
- 1 The king's attendant refused to go hunting with the prince.
- 2 The prince caught a beautiful animal.
- **3** The prince realized that he needed to get home as soon as possible.
- 4 The woman asked the prince to stop at a ruined building.
- **5** The woman hid her identity from the prince.
- **6** The woman did not stay in the ruined building for long.
- 7 The ghoul suggested that the prince should pay his enemy.
- **8** The prince escaped from the ghoul after he followed her advice.

b) Correct the false statements.

3	Use the correct form of the words in	
	parentheses to complete the sentences.	
1	The ghoul's voice scared the	
	prince. (CHILL)	
2	The prince was allowed to hunt in the desert only	
	if one of the king's was with him.	
	(ATTEND)	
3	1001 Nights is a of Arabian	
	stories. (COLLECT)	
4	The prince became afraid when	
	he realized that the woman was a ghoul. (GREAT)	
5	The woman told the prince that she was	
	because she had been traveling	
	through the desert. (EXHAUST)	
6	The prince was a king's son.	
	(WEALTH)	
7	,	
	prince became and went to look	
	for her. (PATIENT)	
8	The woman suggested that the prince should give	
	his enemy money to keep them	
	(SATISFY)	
4	Fill in with: panicked, took, keep, come,	
	prayed, escaped.	
	prayeu, escapeu.	
1	The prince chased the wild animal for some time	
	but it	
2	The assistant could not up with	
	the prince so they became separated.	
3	The prince when he heard that	
	the woman wanted her children to eat him.	
4	The prince for protection against	
_	the ghoul.	
5	The prince pity on the woman	
•	and decided to help her.	
6	When the prince and his assistant went hunting	

they were hoping toacross a big

animal to chase.

After-Reading activities

- What can we understand about the prince from the story?
- A He did not obey his father.
- **B** He nearly experienced disaster.
- **C** He never hunted again.
- **D** He became angry with the woman.
- a) Read the story and take notes using the following headings:

PLACE	
CHARACTERS	
EVENTS	
CLIMAX EVENT	
END OF STORY/FEELINGS	

b) Use your notes from Ex. 6a to give the class a summary of the myth.



Imagine you were the prince and you had just heard the ghoul talk to her children. How would you feel? What would you do? Tell the class.

Review

Listening activities

- Listen to two students. For questions 1-4, choose the correct answer (A, B, C, or D).
 - 1 What are the speakers mainly discussing?
 - A the difference between the oases we see in the movies and real ones
 - **B** a very strange oasis in the Chihuahuan Desert
 - **C** the different types of oasis in the Saharan and Arabian deserts
 - **D** a rare type of plant species in the Ciénegas oasis
 - 2 What do we learn about the Cuatro Ciénegas oasis?
 - A It is the only oasis in northern Mexico.
 - B Humans have been trapped there.
 - C It had once dried up.
 - **D** It is home to some species of sea plants and animals.
 - 3 What is a 'poza'?
 - A a common desert animal
 - B a type of sand dune
 - C a pool of water
 - D an unusual plant
 - 4 What does the woman say about the Sahara Desert?
 - A She points out the difference between Saharan oases and the Cuatro Ciénegas oasis.
 - **B** She shows how its oases are very similar to the Cuatro Ciénegas oasis.
 - **C** She explains why it is used in movies so much.
 - **D** She compares it to the Chihuahuan Desert.

- Listen to a writer. For questions 1-4, choose the correct answer (A, B, C, or D).
 - 1 Where is Paul Booth appearing as a guest?
 - A on a TV show
 - B in a lecture
 - C on a radio show
 - **D** at a conference
- 2 What is Paul Booth mainly talking about?
 - A a buried treasure that he has found in the desert
 - **B** a mysterious oasis that people have been searching for
 - **C** an ancient civilization that archaeologists have discovered
 - **D** a hidden tomb that explorers have been searching for
- 3 How did Hamid Keila end up in Zerzura?
 - **A** He was taken to the city by people who lived there.
 - **B** Some of his friends took him there.
 - C People from Zerzura invited him to their city.
 - **D** He went there looking for treasure.
- **4** Why does the writer say: "But there's more to Zerzura than myths and old stories."?
 - A to present another myth about the people of Zerzura
 - **B** to explain the usefulness of myths in the search for Zerzura
 - **C** to imply that he will be telling more stories about Zerzura
 - D to introduce the next part of his talk

Amazing Facts

Did you know?

The Marathon Des Sables is a six-day 'ultra-run' that covers a 3) of 156 miles in the Sahara Desert.

> Many desert plants release toxic 5) into the soil to kill their neighboring plants so that they don't have any 6)

> for water.

A German physicist has calculated that in six hours, the world's deserts get more

8) energy than humans use in a year.



The first whole 9) eggs were discovered in the Gobi Desert in Mongolia in 1923.

Fennec foxes can go without water for extremely long periods of time. Their bodies have developed the ability to 10) water from the food they eat.

The desert tortoise can **11)** for almost a year without water.

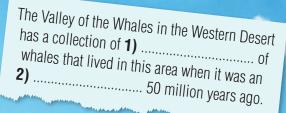


Complete the sentences using the words below.

- hump solar Polar competitors fossils
- distance absorb unbroken ocean survive
- dinosaur
 chemicals

ICT In groups, collect more information about the desert biome, and prepare a Yes/No quiz.

The Rub al Khali (literally, 'quarter of emptiness') in Saudi Arabia is the world's largest sand sea. The Empty Quarter, as it is commonly called, features more than 250,000 square miles of 12) sand.



The largest desert in the world is the Antarctic 4) Desert covering an area of 5.5 million square miles.







Take a trip to the hottest place on Earth: the desert. A land of beautiful oases, amazing animals, and impressive sand dunes.

Learn about the plants, animals, people, and unique features of this beautiful place through stunning images, interesting facts, and engaging stories.

Components

- Reader
- Multi-ROM Teacher's

DIGI MATERIAL

cross-platform application (iOS, Android, Windows, MacOSX)









