

# Volcanoes and Sounds

UNIT 8: LESSON 3



# Today we will learn:

- “Will” for a negative
  - The “KS” sound
- All about volcanoes
  - Idiom of the day



# ‘Will’ as a negative...



# Will: Negative

Subject	Will	Not	Verb in simple form
I	will	not	play
You	will	not	study
He, She, It	will	not	work
We	will	not	eat
You	will	not	try
They	will	not	cook

Will not = Won't

-





# KS

# &

# X

## SUPERHERO SEARCH

ROSEDALE  
ACADEMY



Help the Superheroes find the **letter X** in the words **below**.  
Is the **letter X** at the **beginning**, the **middle** or the **end** of the word?

What sound does the **letter X** make in each word?

Do any of these words rhyme?



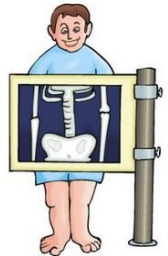
xylophone

The sounds of **X**:

**X** can sound like a 'Z'

**X** can sound like a 'KS'

**X** can say it's own name



x-ray



mixer



tuxedo



box



fix



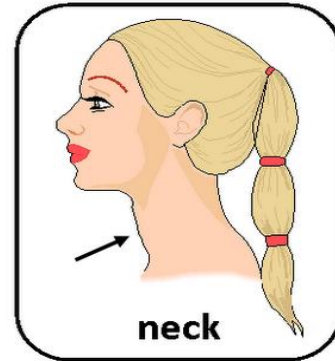
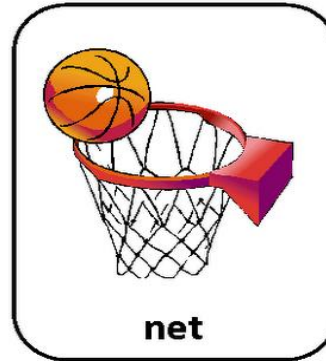
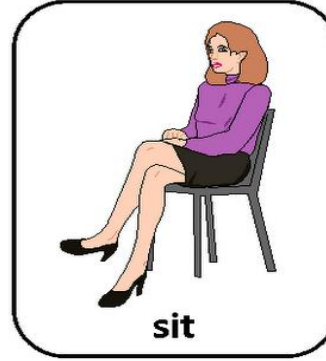
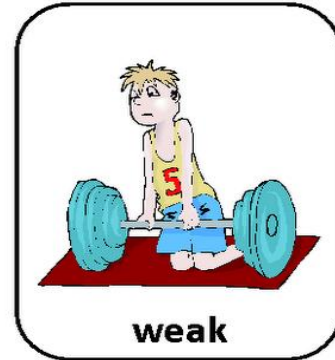
fox



six



Final /t/ - /k/ Minimal Pairs Picture Cards



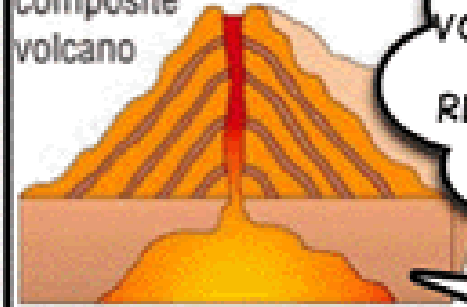




# All About Volcanoes

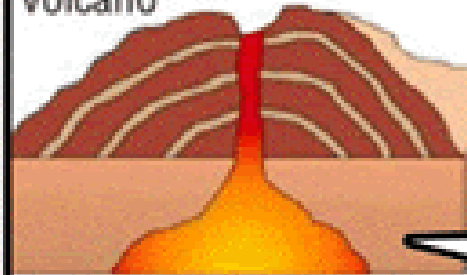
By: Suzanne Garbe

composite volcano



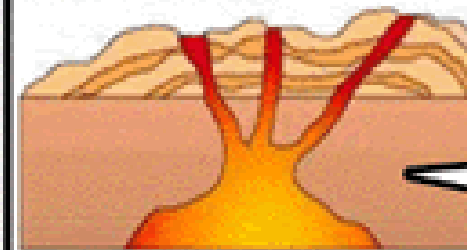
THREE TYPES OF VOLCANOES, BASED ON THE TYPE OF MATERIAL THAT REACHES THE SURFACE AND THE TYPE OF ERUPTION THAT TAKES PLACE

cinder volcano



**COMPOSITE VOLCANOES**  
EMIT A STIFF, RAPIDLY SOLIDIFYING LAVA WHICH FORMS HIGH, STEEP-SIDED CONES

shield volcano



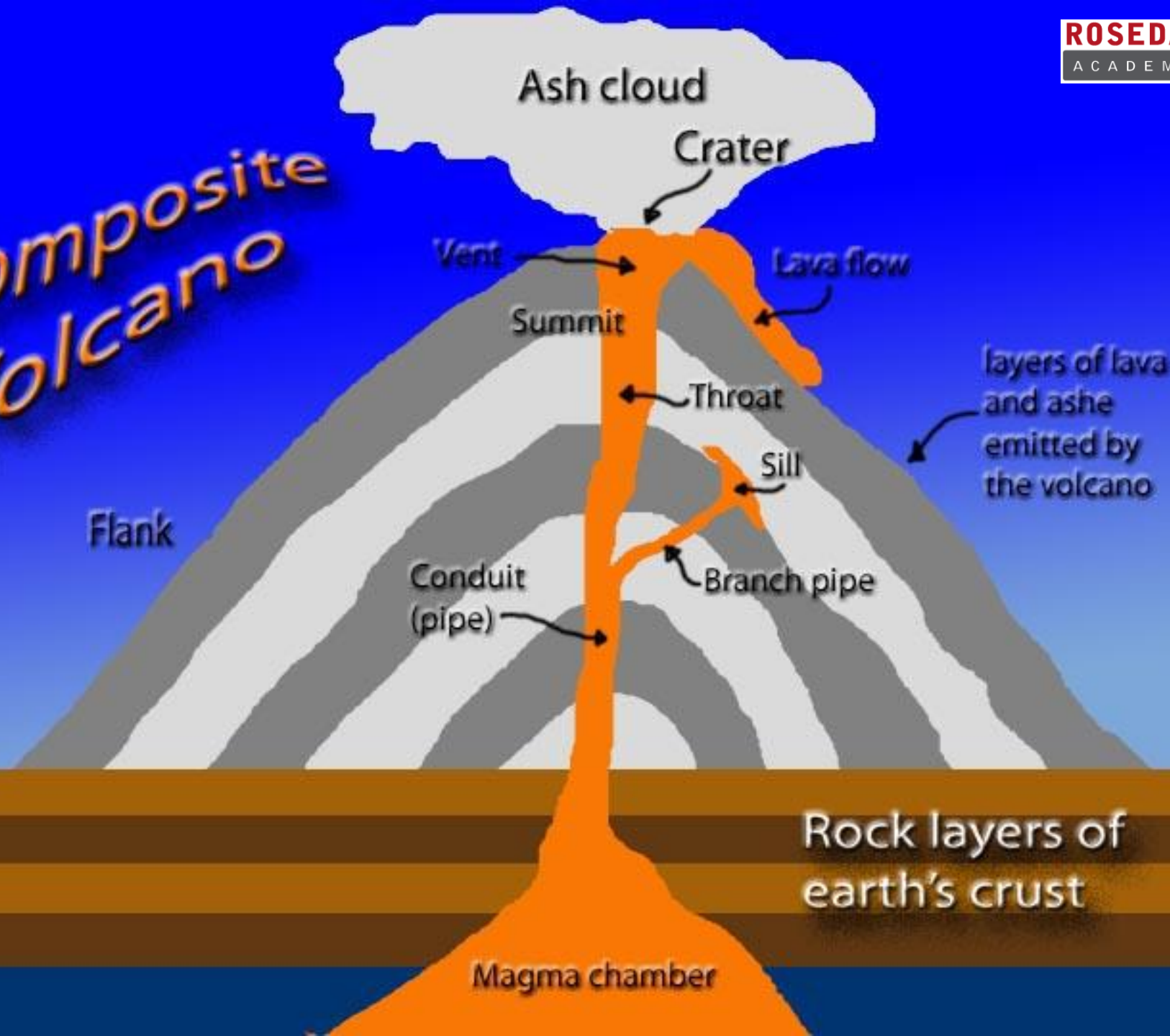
**CINDER CONE VOLCANOES**  
REGULARLY THROW OUT ASH AND BUILD UP FLATTER DOMES CALLED CINDER CONES

**SHIELD VOLCANOE**  
LAVA DOES NOT EJECT VIOLENTLY, BUT FLOWS OVER THE CRATER RIM FORMING A BROAD LOW PROFILE



**When a volcano erupts it creates a huge cloud of gas, steam, ash and rock. This is called, the death cloud.**

# Composite Volcano







# Ring of Fire

Equator

Pacific Ocean

Antartica

Asia

Japan

North  
America

South  
America

Australia





Cleaning up after a volcano can take a lot of time and a lot of money. The community can come together to help.



# DESTRUCTIVE TSUNAMIS SPEED

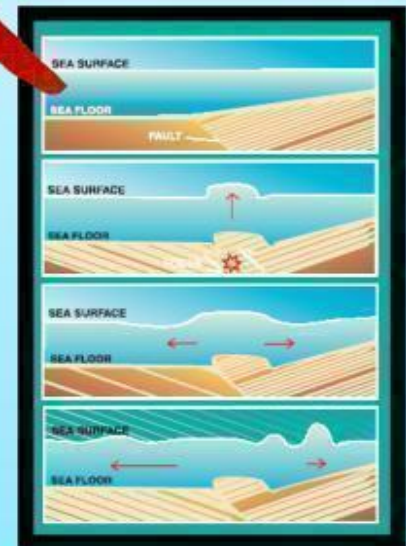
IN THE DEEP OCEAN THEY CAN MOVE AT SPEEDS OF 500 MPH OR MORE. AS IT APPROACHES THE SHORE, IT SLOWS TO ABOUT 45 MPH.

## HOW THEY FORM

WHEN AN EARTHQUAKE, VOLCANIC ERUPTION OR LANDSLIDE OCCURS UNDER THE SEA, HUGE AMOUNTS OF ENERGY ARE RELEASED RESULTING IN HUGE VOLUMES OF OCEAN WATER PUSHING UPWARD AND A WAVE IS FORMED.

## HEIGHT

IN THE OPEN OCEAN THE WAVES APPEAR SMALL BUT AS THEY APPROACH THE SHALLOW WATERS OF THE COAST, THE TREMENDOUS ENERGY CAN CAUSE WAVES ANYWHERE FROM 100 FEET TO 1640 FEET.






# EXPLOSIVE Earth

Nothing highlights the awesome power of nature more than a volcano! Deep within the Earth lies molten rock, debris and gases that shoot up through vents in the Earth's surface, creating one of the world's most spectacular natural events.


  
About 1,900 volcanoes on Earth are considered active and are likely to explode again!

Lava can reach 1,250°C and has the potential to burn everything in its path! If you used a glass thermometer to take the temperature it would melt. 


  
The soil near volcanoes is said to be rich and fertile which is why some people actually set up home on the slopes!


  
350 million, or 1 in 20 people in the world live within 'danger range' of an active volcano.


  
The world's largest active volcano is Mauna Loa in Hawaii standing at 4,169m!

  
In 1883 Krakatau in Southeast Asia erupted, releasing 200 megatons of energy, the equivalent of 15,000 nuclear bombs! This generated the loudest sound reported in history.

## DID YOU KNOW?

  
Maleo birds use the heat from volcanoes to help hatch their eggs! They bury the eggs in the soil or sand near to volcanoes. When the chicks hatch they claw their way up to the surface.

  
In A.D. 79, Mount Vesuvius erupted, devastating the Italian town of Pompeii. The ash deposits preserved the town and the remains of the people within it. You can still see them today!

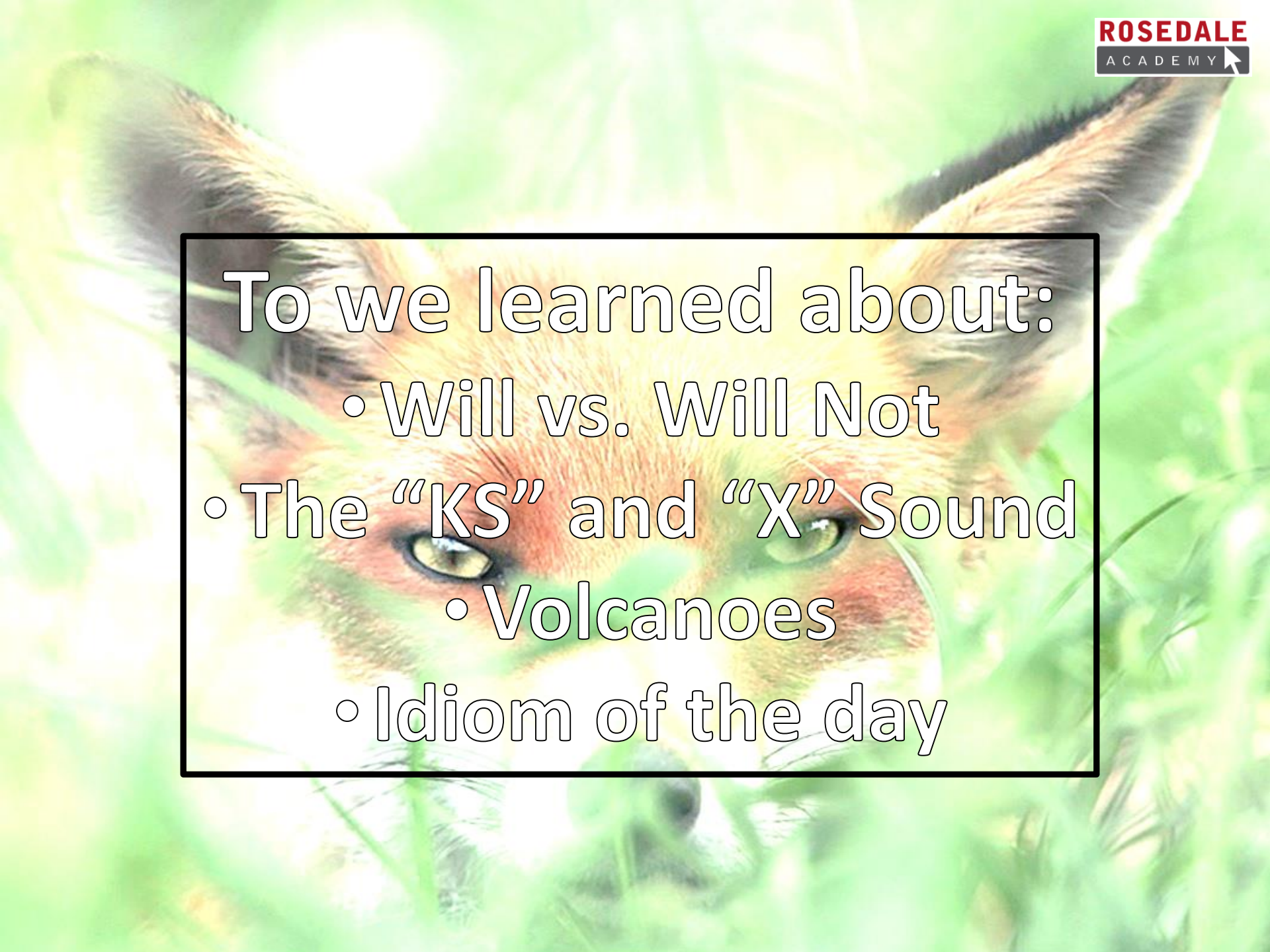
  
The 'Ring of Fire', a 40,000 km Horseshoe shaped area of the Pacific Ocean is home to 90% of all volcanoes on the Earth.

## WOW!!



# Sly as a Fox



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- To we learned about:
- Will vs. Will Not
  - The “KS” and “X” Sound
  - Volcanoes
  - Idiom of the day