SPACE ADVENTURE

ACTIVITY BOOK

AXEBUG FIRES UP YOUR CREATIVITY!

REAL LIFE ENGLISH

INTERDISCIPLINARY LEARNING

COMMUNICATION • COLLABORATION
CREATIVITY • CRITICAL THINKING
4C SKILLS

AXEBUG DIGITAL

CHAPTER 3

AXEBUG® COMICS

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AXEBUG SPACE ADVENTURE

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THE IMAGINATION ELEMENT
DESIGNEXIUM

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COMICS

EPISODE 9

THE ELEMENT OF DESIGNEXIUM

1 Listen And Write

A. BIG SCREEN .....

B. CHUNKS .....

C. DRAINED .....

D. ELLIPTICAL GALAXY .....

E. GEAR UP .....

F. HIT THE BULL'S EYE .....

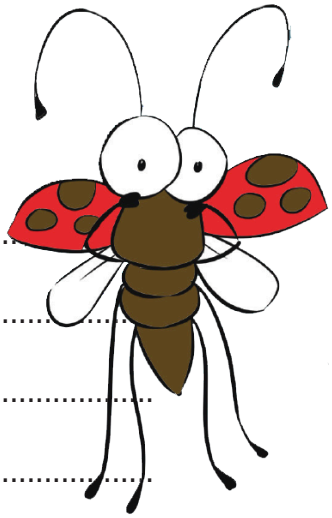
G. LOONY .....

H. ROUTE .....

I. RUN THROUGH .....

J. TOUGH .....

2 Write the meanings of each word



A. Ancestor : A person lived in old times, in a certain land.

B. Spend : Consume, to use up.

C. Produce : Create or make something.

D. Grow : Evolve something.

E. Breed : A particular type of animal or plant.

F. Fault : A blame or a misatake made.

G. Counting on : Depend on.

H. Constellation : A group of stars on space.

I. Good as new : In good condition.

J. Spiral Galaxy : A type of galaxy stars and gas clouds are located in spiral arms.

K. Power shortage : Unable to supply energy.

L. Drain : Used up all, until the end.

M. Loose : To be silly or strange.

N. Alert : To give Information about a problem.

O. Heading to : Following a route.

P. Windy : Breath or the ability to breathe.

Q. Space walk : An act of moving around in space outside a spacecraft but connected to it.

R. Bright : Full of light, shining.

S. Dark : With little or no light.

T. Launch : To send off, usually used for planes of air crafts.

3

Observe the moon.
Here is a chart for you. Observe the moon for a week to see It's changes and phases. Share it with the class later.

MONDAY	TUESDAY	WEDNESDAY	THURSDAY

FRIDAY	SATURDAY	SUNDAY

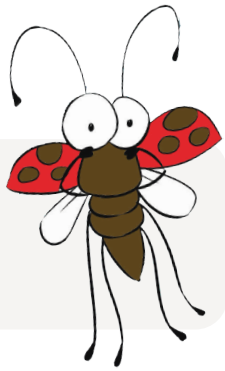
4 Read Episode 9 again and Circle Yes / No

		✓	✗
1	Axebug is counting on Robug13.	✓	
2	They are all in the spiral barred galaxy.		✗
3	The ancestors didn't ask for support.	✓	
4	Dung Beetle thinks power shortage is ladybugs fault.	✓	

5 Your Turn : Write

What is your favorite Science Fiction TV SHOW/MOVIE/DOCUMENTARY?
Give some information why it is.

6 Fill in the blanks using the words below



big deal - four - robots

many moons ago - counting on

1. There are ___FOUR___ different galaxies in the Universe.
2. The element of designexium is a ___BIG DEAL___ for the future.
3. I am ___COUNTING ON___ you and your crew. I know you can solve this.
4. We turned into half bugs half ___ROBOTS___.
5. ___MANY MOONS AGO___ our colony was the land of plenty.

7 Match the idioms with It's meaning below

1. One mans trash, another ones treasure
2. Blind as a bat
3. The tip of an Iceberg
4. Recharge your batteries
5. Bite more than you can chew
6. Play things by ear

A) A problem which only a small part of it can be seen or solved

B) To lie down and relax

C) A person who can't see well or properly

D) try to do something extremely hard or complex , therefore can't succeed

E) Entering to things without having a plan

F) something not special for someone, but considered special for someone else

8 Put the words in alphabetical order

1. ANCESTOR
2. BARRED GALAXY
3. CHUNK
4. FAULT
5. GALAXY
6. GIVE ALERT
7. HEADING TO
8. IRREGULAR
9. MYSTERY
10. POWER SHORTAGE
11. PRODUCE
12. RICH
13. SEE OVER
14. SET UP
15. SPEND
16. SPOTTED

FAULT | SET UP

SPEND | HEADING TO

POWER SHORTAGE | GIVE ALERT

MYSTERY | ANCESTOR

PRODUCE | RICH

IRREGULAR GALAXY | CHUNK

TOUGH | BARRED GALAXY

SEE OVER | SPOTTED

9 Find the appropriate classmate to match the most suitable statement

	CLASS MATES NAME	EXTRA NOTES
DREAM IS TO BE AN ASTRONAUT		
WANTS TO GO MARS		
KNOWS THE NAME OF PLANETS		
KNOWS THE PHASES OF MOON		
WANTS TO SEE AN ALIEN		
DREAM IS TO BE A SCIENTIST		
HAS BOOKS ABOUT SPACE		
DOESN'T LIKE SPACE AT ALL		
WATCHED A MOVIE OR A TV SHOW ABOUT SPACE		
WANTS TO BE A MATHEMATICIAN		

10 Your Turn: Speak

Two different statements are given below. Write some information and make a debate in the classroom.

Governments should spend more money on space explorations and outfits.	Governments shouldn't spend more money on space explorations and outfits

11 Will the earth ever be visited by aliens? Do you think you will see one? Draw them, their space shuttle. Which city do you think they will land to?

EPISODE 10

THE GOLDEN RECORD

1 Listen And Write

A. DEVICE .....

B. TOOL .....

C. PATROL .....

D. LIGHT YEARS .....

E. INFINITIVE .....

F. BE A COWARD .....

G. STINKY .....

H. GOLD PLATED COPPER .....

I. KNOWLEDGE .....

J. CREATIVITY .....

2 Write the meanings of each word

A. Light years : The distance that light travels in one year.

B. Calculate : Estimated and found the solution of a mathmematical situation, Create or make something.

C. Imagination : A creative thought in a mind.

D. Miracle : A supernatural event, surprisingly occured.

E. Dead end : A place or a plan leading nowhere.

F. Stinky : A bad, nasty smell.

G. Shut down : Closing a specific device, machine or place.

H. Plenty of : Something more than enough.

I. Cruise : The act of cruising, travelling mainly on ship.

J. Worried : A troubled feeling that makes you uncomfortable.

K. Creativity : Being original with an idea or vision.

L. Force : Strength or energy.

M. Action : Something that you do.

N. Radius : A distance from a central point.

O. Diameter : A straight line that crosses a circle through the centre, or the length of this line.

P. Opposite : Across from or on the other side of someone or something.

Q. Discover : To find out something that you did not know before.

R. Off your rocker : A crazy person.

S. Power : The ability to influence or control what people do or think.

T. Right as rain : Someone being completely right about a topic.

3 Complete the word search below

MIRACLE - EXIST - TOOL - REACH - CHAOS - SHUT

MERCURY - MARS - ROCKET - SOAP - TWO

Z	M	I	R	A	C	L	E
B	E	X	E	M	S	B	X
R	R	M	A	R	S	J	I
G	C	Y	C	H	A	O	S
X	U	S	H	U	T	F	T
V	R	O	C	K	E	T	O
J	Y	A	S	G	I	W	O
A	G	P	V	Y	X	O	L

4 Read Episode 10 again and Circle Yes / No

		✓	✗
1	Ladybug can't fly in the dark.	✓	✗
2	The record has 'Symphony No 5' in it.	✓	✗
3	Dung Beetle seems to be very lazy.	✓	✗
4	Axebug doesn't know what a septillion is.	✗	✗

5 Your Turn : Write

Imagine you are in 'Creepy Crawly'. Which type of plants or flowers will be in there? What type of houses will be built? Draw and talk about it.

MY CREEPY CRAWLY

6 Put the words in alphabetical order

1. BE A COWARD
2. CHIT - CHAT
3. CREATIVITY
4. DEAD END
5. EXIST
6. FALL DOWN
7. IMAGINATION
8. INFINITIVE
9. LAZY
10. MONITOR
11. NIGHT SKY
12. PATROL
13. SHUT DOWN
14. TOOL
15. TOUGH
16. WEIRD

TOOL | CREATIVITY

NIGHT SKY | IMAGINATION

DEAD END | BE A COWARD

CHIT - CHAT | SHUT DOWN

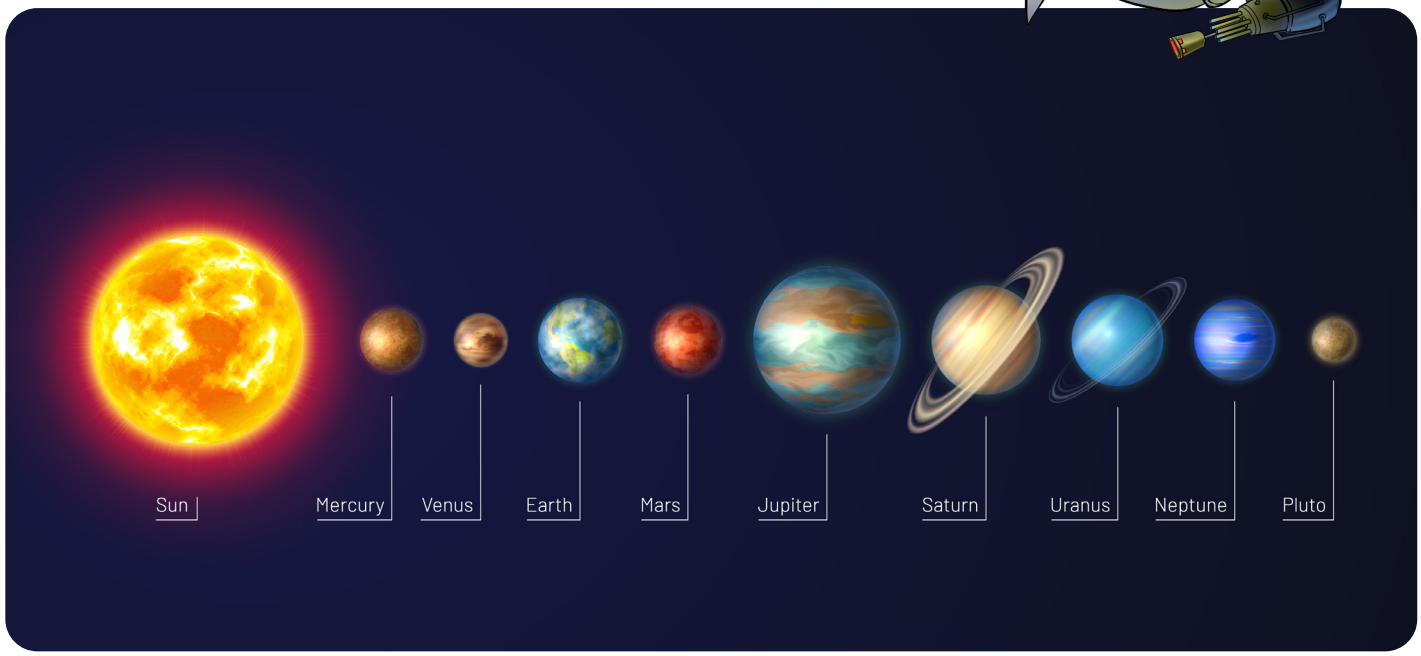
INFINITIVE | ZOOM IN

WEIRD | MONITOR

PATROL | FALL DOWN

EXIST | LAZY

7 Read and choose the right word



1. ___PLUTO___ is the smallest planet.
2. ___MARS___ has two moons named Phobos and Deimos.
3. ___URANUS___ is called an Ice giant planet and turns on It's axis every 17 hours and 14 minutes.
4. ___EARTH___ has liquid and water on It's surface.
5. ___SATURN___ will definately float if we put it in a bathtub.

8 Your Turn: Speak

If you wanted to establish an Academy, what would it look like? Draw it. Which lessson would it have? Why? Share it with the class.

EPISODE 11

THE JOURNEY PART 1

1 Listen And Write

A. PROBABILITY .....

B. WISE .....

C. SPEED .....

D. AMBITION .....

E. GANGSTER .....

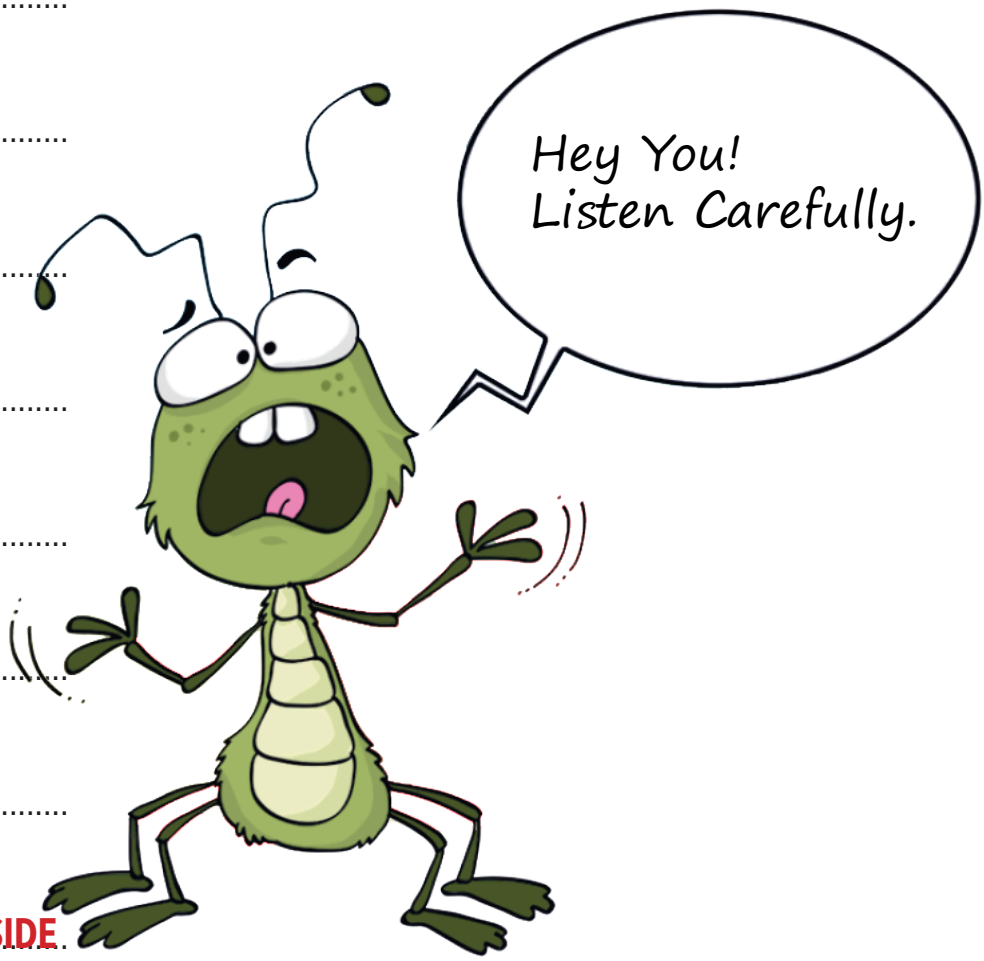
F. SEEK .....

G. ABANDONED .....

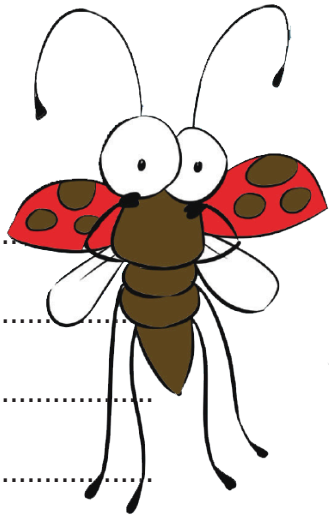
H. WILD GOOSE CHASE .....

I. COCKROACH .....

J. CROSSED THE BAD SIDE .....



2 Write the meanings of each word



A. Abandoned :A type of clothing designed to wear on Space.

B. Gangster :A person against the law, doing illegal activities.

C. Seek :To find, search for something.

D. Terrible :A horrible thing.

E. Keep Eyes Wide Open : To look carefully.

F. Make A Fuss :Making a big deal out of something, exaggerating.

G. Launch :To send off, usually used for planes of air crafts.

H. Arrival :Coming back to a certain destination.

I. Trek :A long journey.

J. Voyager :A traveler or a passenger.

K. Fellow :A person, someone.

L. Space Map :The current image of the space.

M. Sky Watcher :Someone who is interested in the developments and changes of a particular thing.

N. Central Core :The central part of a living thing, fruit, which contains it's seeds.

O. Seeker Telescope A type of telescope to locate sky objects.

P. Layer :To arrange something in layers.

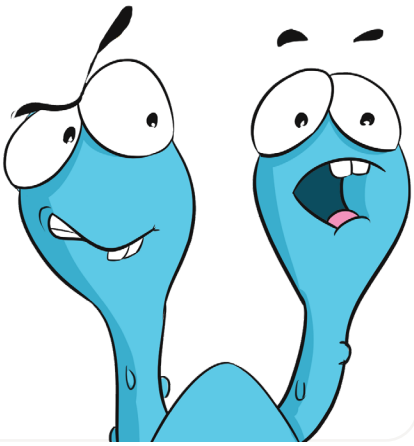
Q. Continent :Able to control when you urinate and empty your bowels.

R. Outer Core :Most important or most basic.

S. Inner Core :Inside or contained within something else.

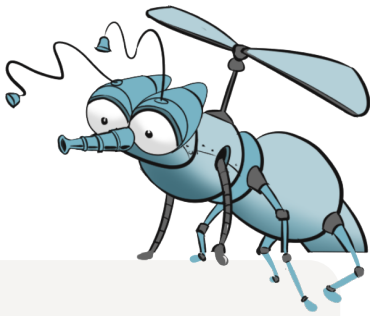
T. Crust :A hard outer covering of something.

3 Draw a space map of your own.
Does it look like Robug Colony or not? How many stars or galaxies does it have? Share it with the class.



4 Read Episode 11 again and Circle Yes / No

	Yes	No
1 The journey has seven stops.	✓	
2 Axebug crossed to the bad side.		✗
3 Robug 13 is a voyager.		✗
4 Gangster is an ambitious cockroach.	✓	



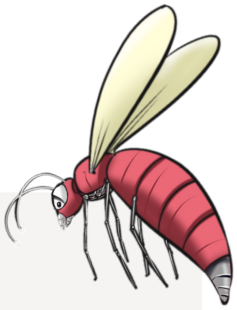
5 Your Turn : Write

Make a planet of your own only for animals.
How will you protect your animals from extinction?

6 Your Turn : Speak

Why is the moon dark sometimes? Discuss with your friends.

7 Read the passage and answer the questions



ANY SIGN OF LIFE

'Luxury' the space shuttle of Mercury, arrived to Venus for the first time. It is as big as a double decker. It started moving around and made a quick cruise .It examined the rocks, sand and atmosphere which can provide Information to scientists on earth.

The samples and photos were taken from the surface. The area was searched gently and carefully. Luxury has a wide camera system which can record all the data up to 48 hours.

The scientists are claiming that the samples will tell more when they start to analyze them in the laboratory. Most of them were carried in flasks and test tubes. They are also defending that some magnetic substances need to be investigated in universities. They were found in Mercury too, which have magnetic fields.

Luxury will continue to seek some more Information about Venus and if there is any sign of oxygen or land that can be lived on.

Answer TRUE or FALSE.

	✓	✗
1 Samples were taken to the laboratory.	✓	
2 Luxury is big as a station.		✗
3 There are magnetic fields on Venus.	✓	
4 They are signs of oxygen on Venus.		✗

8 Put the words in alphabetical order

1. ABANDONED
2. AMBITION
3. CHANCE
4. COCKROACH
5. COSMIC OCEAN
6. FELLOW
7. FLASK
8. MAKE A FUSS
9. RESCUE
10. RIDE
11. ROBOT
12. SAFE
13. SEEK
14. TREK
15. VOYAGER
16. WISE

WISE | COCKROACH

TREK | MAKE A FUSS

CHANCE | SAFE

FELLOW | RIDE

COSMIC OCEAN | ROBOT

VOYAGER | FLASK

SEEK | ABANDONED

AMBITION | RESCUE

9 Circle the correct meaning of the idioms

1 **Take your courage in both hands**

A)To investigate something dangerous enough to succeed

B) Enough to do something

C) To finish something very dangerous

D) To start something very dangerous

2 **Reach the stars**

A) Have a lot of questions about something

B) Have high hate for something

C) Have high love for something

D) Have high aims about something

3 **Make a fuss**

A) Talk about something, more of a complain

B) Talk about something, more of a regret

C) Talk about anger management

D) Talk about love and friendship

4 **Leave no stone unturned**

A) Leave no space in the area

B) An easy task to accomplish

C) Try everything to accomplish your task

D) End your task as soon as possible

5 **Houston we have a problem**

A) Reporting charges

B) Reporting someones fault

C) Reporting massive ideas

D) Reporting a massive problem

10 Complete the wordsearch below

MOTH - ANT - HONEYBEE - COCKROACH - CRICKET - LADYBUG
BUG - SPIDER - GRASSHOPPER - DRAGONFLY - BEETLE
HORNET - WASP - WORM - CATERPILLAR

O	D	J	W	E	H	G	U	B	D	T	W	D	Z	O
F	T	B	O	O	L	A	D	Y	B	U	G	L	I	D
G	E	F	R	K	T	R	E	D	I	P	S	T	E	O
X	P	N	M	G	K	O	C	J	T	T	E	L	G	C
Q	E	O	J	D	N	T	A	T	R	K	T	C	R	K
T	T	U	I	R	P	J	T	N	C	E	O	F	E	R
H	B	M	K	A	T	F	E	I	E	E	J	H	P	O
L	T	O	K	G	D	B	R	B	F	B	S	N	P	A
B	B	M	L	O	A	C	P	B	T	Y	N	R	U	C
L	L	H	D	N	A	F	I	U	F	E	B	C	H	H
S	W	I	T	F	V	N	L	L	B	N	W	X	S	F
C	R	F	D	L	Q	R	L	V	Y	O	S	L	S	F
S	F	F	F	Y	E	V	A	O	X	H	L	K	A	C
L	Q	Q	G	O	G	N	R	R	M	S	W	H	R	R
Y	P	G	F	U	Z	R	W	A	S	P	D	R	G	Q

EPISODE 12

THE JOURNEY PART 2

1 Listen And Write

A. DEPARTURE .....

B. SPOT ON .....

C. FIGURE OUT .....

D. BOARD TO .....

E. ENGINE .....

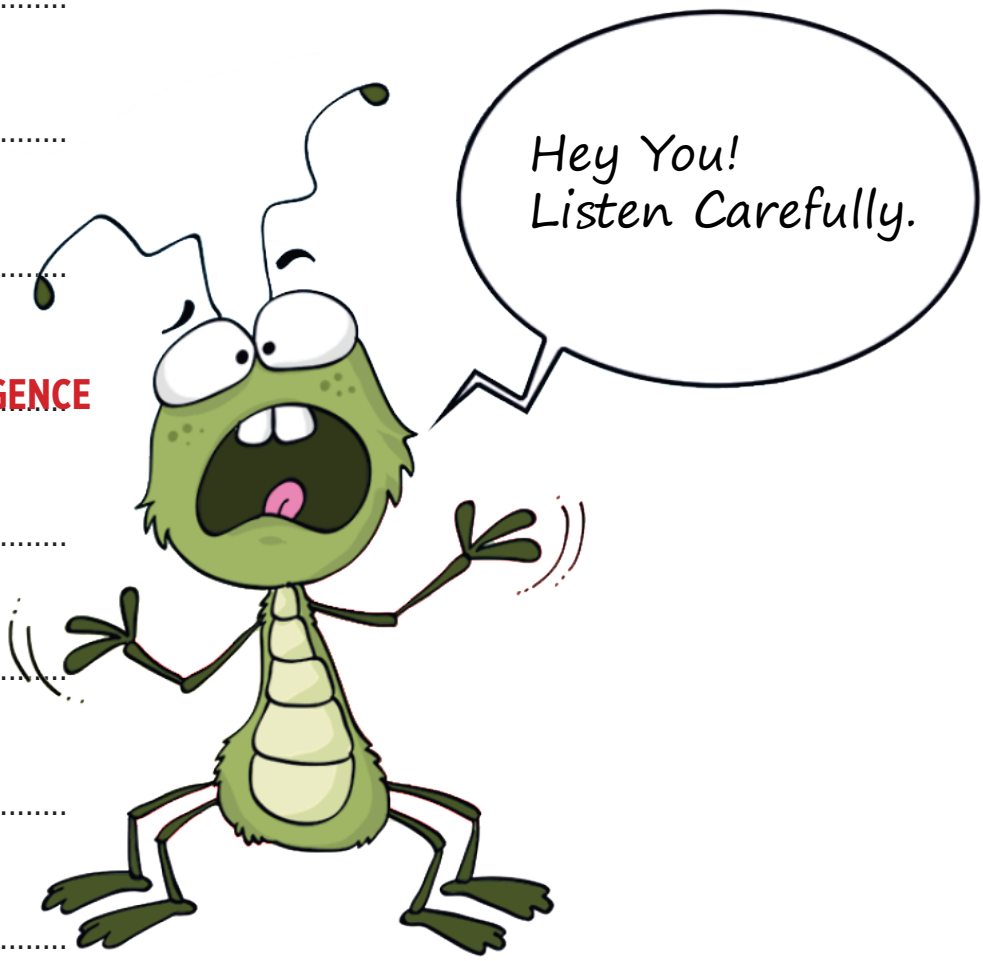
F. ARTIFICIAL INTELLIGENCE .....

G. TAKE FIVE .....

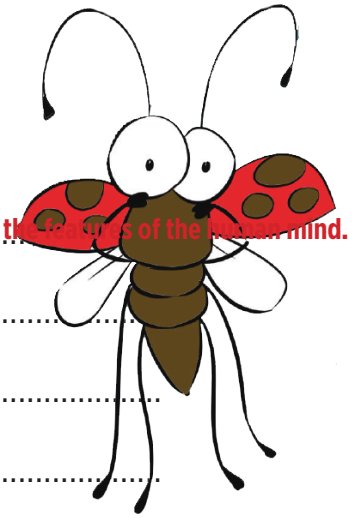
H. JACKPOT .....

I. PLACED .....

J. TOTAL .....



2 Write the meanings of each word



A. Artificial Intelligence : Use computer programs and skills that have some of the features of the human mind.

B. Take Five : Take a short break of a task.

C. Placed : To put something to a specific area.

D. Board To : To get on, especially a vehicle.

E. Launch : To send off, usually used for planes of air crafts.

F. Spot On : An exact thing, right.

G. Invent : The act of creating something new.

H. Mathematician : Someone who studies, teaches, or is an expert in mathematics.

I. Physist : A person who studies physics or whose job is connected with physics.

J. Gravity : The force that attracts objects towards one another, especially the force that makes things fall to the ground.

K. Theory : An idea or a belief based on some sort of proof.

L. Measure : To assess or calculate numbers or rate.

M. Linear Trek : A straight passage leading the way.

N. Lithosphere : The solid outer layer of a planet.

O. Task : An assignment or a duty to accomplish.

P. Blast Off : If a rocket blasts off, it leaves the ground to go into space.

Q. Countdown : The act of counting backwards to zero.

R. Earth Bound : Certain or extremely likely to happen.

S. Gravitional Lens : The back surface of the eye.

T. Engine : A device that powers vehicles.

3 Match the pictures with the correct words

GAP

TAKE FIVE

ENGINE

LINEAR TREK

CALCULATE

ICE GIANT

POWER UP

NOVA

FIGURE OUT

DEPARTURE

4 Read Episode 12 again and Circle Yes / No

	Yes	No
1 It will take 352 days to come back from the journey.	✓	
2 Axebug gives information about their route and calculation.	✓	
3 There are three co-pilots in the ship.		✗
4 They have an assistant robot with them.	✓	

5 Complete the dialogues about Axebug

Robug13 : So,what do we do **?**_____?
Ladybug : We are going to **CALCULATE** the target before the.**WE FLY.**

Axebug : There is a ___**GAP**_____ between days.
Dung Beetle : We should follow all the **ACTIONS VERY CAREFULLY**

Robug13 : Let's take a rest, then we will meet at the **DEPARTURE AREA.**
Dung Beetle : Let's **TAKE FIVE.**___.

Tower : You can **POWER UP**_____the engine and launch.
Ladybug : **ENGINE READY** is ready. We are **LAUNCHING.**___.

6 Put the words in alphabetical order

1. ASSIST
2. BOARD TO
3. CRYSTAL CLEAR
4. EARTH BOUND
5. ENGINE
6. GAP
7. LINEAR TREK
8. PHYSIST
9. POLESTAR
10. RAT RUN
11. RED DWARF
12. ROBOT
13. SOLAR WIND
14. THEORY
15. TOTAL
16. TRANSFORM

TRANSFORM | BOARD TO

THEORY | ASSIST

POLESTAR | ROBOT

TOTAL | ENGINE

GAP | PHYSIST

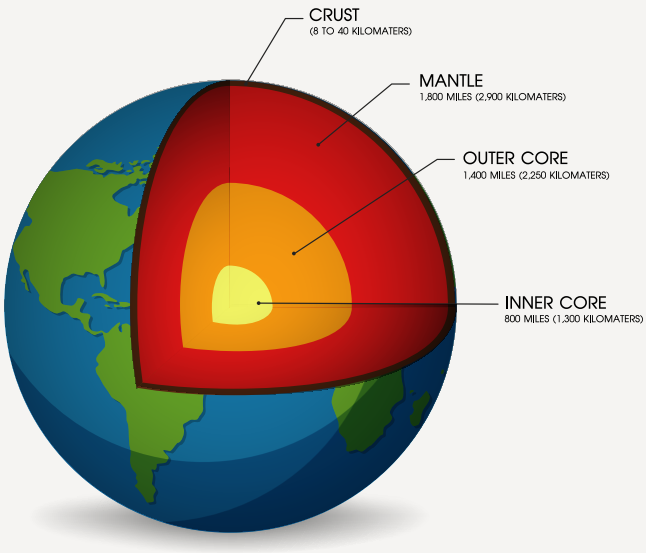
RAT RUN | LINEAR TREK

RED DWARF | SOLAR WIND

CRYSTAL CLEAR | EARTH BOUND

7 There is a passage about layers of earth. Read the Information below to answer the questions.

STRUCTURE OF THE EARTH



The earth has three layers. The first layer is called a core. The core is in the center of the earth. The solid core (inner core) is made mostly from iron. The temperature of the core can increase up to 13.00 Fahrenheit. (7200 degrees celsius). The heat on the surface made iron melt. The melted core is called liquid or outer core.

The outer cores duty is to create a magnetic field to hold the earth. Without the outer core, earth can be destroyed by the sun because of no protection to the light thats coming from it.

The mantle is around the core. It is thick up to 1.800 miles (2.900 km) Rocks and heavy substances make up this layer. Some of the rocks are melted here too.

The mantle is a liquid rock under the ocean. The outer layer is the crust. This layer is also made of rock but lighter than the mantle. It is 5 to 25 miles (8 to 40km) thick. There is life on earths crust.

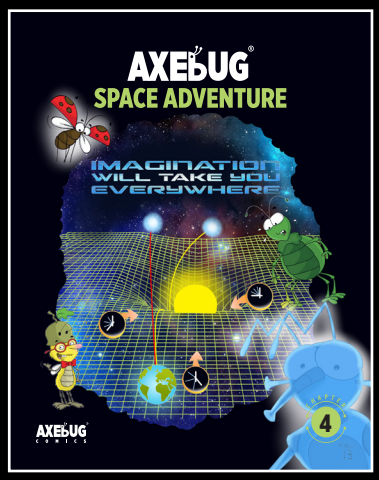
The crust is also broken in plates. The plates move constantly. Continents are on the plates. It is called continental drift.

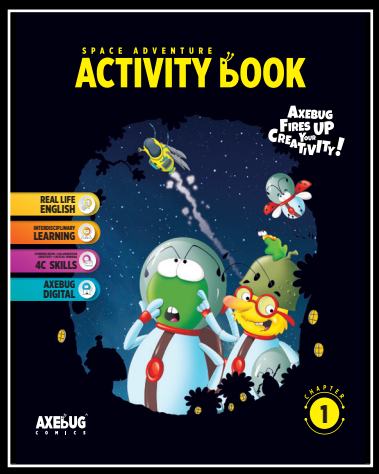
Crust can be categorized into two parts. Oceanic crust and continental crust. Oceanic crust is called Sima. Sima is the smallest part of the earth which is 6 miles. Because of volcanic activities, oceanic layer gets affected and creates islands.

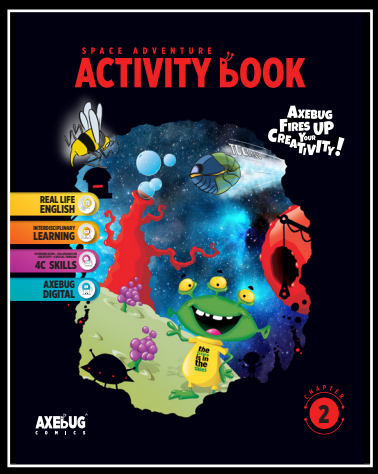
Answer TRUE or FALSE.

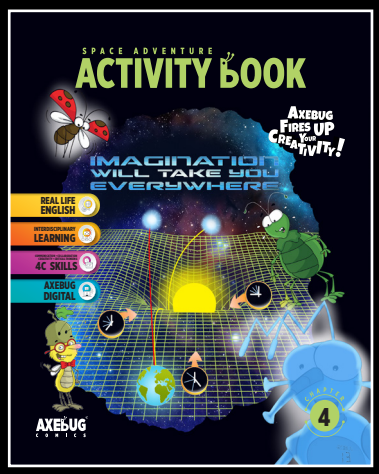
	✓	✗
1 The crust is also broken in plates.	✓	
2 The mantle is a liquid rock under the sun.		✗
3 Crust can be categorized into two parts. Oceanic crust and Rock crust.		✗
4 The earth has three layers.	✓	
5 The melted core is called liquid or freezing core.		✗

AXEBUG LANGUAGE KIT









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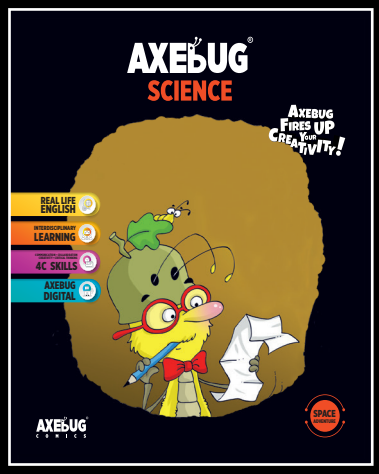

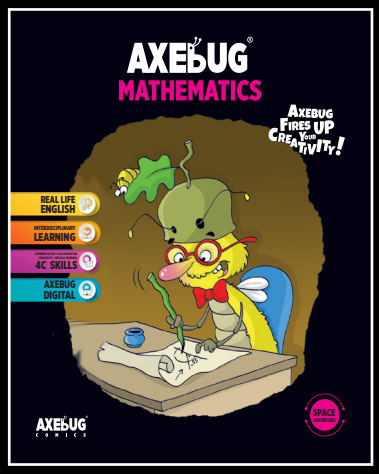

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