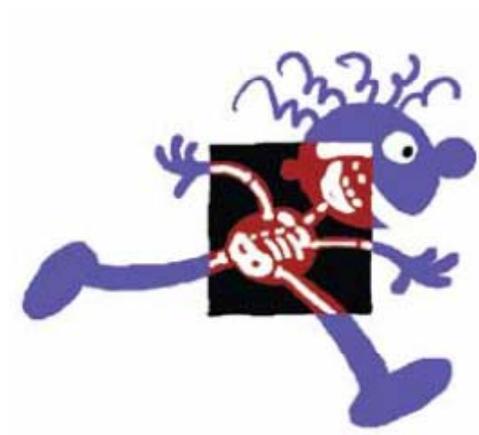


Alpha Level 5

X-Rays



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Cartoons by Alex Stitt

Word Study

A Write the word for each picture.

Bone crack decay dentist gum metal vet X-ray



X-ray



bone



dentist



gum



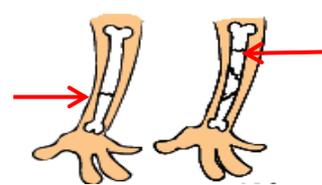
decay



metal



vet



crack

B Complete the sentence using words in the box.

hatch prey smooth steer waterproof

- 1) The vet will mend the bone using pins, splints or bandages.
fix or repair
- 2) If part of a machine is cracked or damaged, it can be repaired or replaced.
something else is used instead
- 3) People who are near strong x-rays for a long time will get ill.
sick
- 4) People must wear protective clothing.
designed to protect from harm
- 5) X-rays are used to help people get treatment they need.
medical care for sick people or animals

Word Study

C Complete the sentences using words in the box.

Word Box

how if like to through where

- 1) X-rays can pass through soft things like skin.
- 2) Doctors use x-rays to see inside your body.
- 3) The x-ray pictures help doctors work out how to help you to get better.
- 4) The x-ray pictures will show the dentist where a hole is.
- 5) If an animal has broken bones, the vet will mend the bone.
- 6) X-rays are used to check that machines like cars, trucks and planes are safe.

D Write your own sentences using the pattern.

After verbs like 'ask, know, see, find out, tell and etc.'
'if' shows an indirect question with an answer 'yes' or 'no'.

The x-ray pictures tell **if any of your bones are broken.**

(= if any of your bones are broken or not broken)

- 1) I need to know that it will rain or not rain tomorrow.
⇒ I need to know if it rains tomorrow.
- 2) Sue isn't sure that she is pretty or not.
⇒ Sue isn't sure if she is pretty.
- 3) Let's find out that there are bears or not in the cave.
⇒ Let's find out if there are bears in the cave.
- 4) Tell me that you are fine or not.
⇒ Tell me if you are fine.

Expression

if there are bears

if it rains

if you are fine

if she is pretty

Comprehension

A Answer the following questions.

1. What is the story about?
 - a) How dangerous x-rays are
 - b) How x-rays are used
 - c) Medical use of x-rays
 - d) Safe ways of using x-rays
2. What can x-rays pass through? (pg. 2)
 - a) They can pass through soft skin.
 - b) They can pass through bones.
 - c) They can pass through metal.
3. What can doctors do with x-rays? (pp. 4-5)
 - a) They can kill virus.
 - b) They can make medicine.
 - c) They can see inside bodies.
4. Why are x-rays used at the airport? (pg. 10)
 - a) To check if there are guns or knives inside bags.
 - b) To check if the bags are overloaded.
 - c) To check the owners of the bags.
5. How can people stay safe with x-rays? (pg.14)
 - a) They stop using x-rays.
 - b) They must wear protective clothing or stand behind a screen.
 - c) They should wash their hands after using x-rays.

B Read and mark the right answer and write it in the blank.

6. People use x-rays to see inside things.
small / inside
7. The hard parts of the mouth, like teeth show up on x-ray pictures.
hard / soft
8. If you have a hole in your teeth, x-ray pictures will show it to the dentist.
dentist / vet
9. Things that should not go on the plane will show up on x-ray pictures.
should / should not
10. X-rays are used to keep dangerous things out of planes.
hospital / plane

Comprehension

C Complete the chart.

What is X-ray?	X-rays can pass through not <u>hard</u> things but <u>soft</u> things. They are used to see <u>inside</u> things.
At the Hospital	<u>Doctor</u> s use x-rays to see inside your body. X-ray pictures show if you have any <u>broken</u> bones.
At the <u>Dentist</u>	Dentists check hard parts of the mouth like <u>teeth</u> . They can see if you have any <u>hole</u> in your teeth.
At the <u>Vet</u>	X-rays are used to see if animals have any problem with their bones. If any broken bones are found, the vet will <u>mend</u> the bones.
At the <u>Airport</u>	Things like <u>gun</u> s and knives shouldn't go on the plane. X-ray picture shows if <u>suitcase</u> s and bags have those things.
X-rays and Machines	People can check safety of cars, trucks and planes. X-ray picture shows <u>crack</u> s or weakness needed to be <u>repaired</u> .

airport broken crack dentist doctor gun hard hole
inside mend repaired soft suitcase teeth vet

Expression

D Write and Speak

1) What things show up on x-ray picture?
 ⇒ We can see _____
soft / hard

2) Look at the x-ray picture and answer.
 What things can you see inside the bag?
 ⇒ I see _____



coins



a brush



a diary



a lipstick



pills



a pen



keys