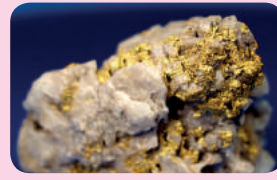
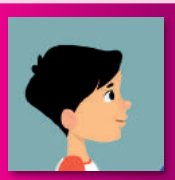
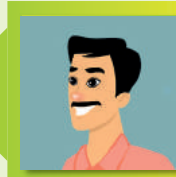




**Son:** Interesting.  
Is **Gold Ore** a  
mineral?



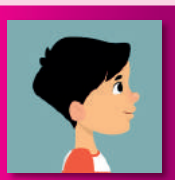
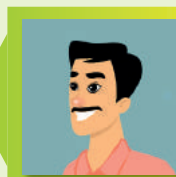
**Father:** Yes it is. **Gold** is extracted from  
**Gold Ore**. It is considered as one of  
the most precious mineral.



**Son:** That's why it is used  
in making jewels.



**Father:** You are right. **Gold** is also a very good  
conductor of electricity and it is found in  
small amounts in electronic devices including  
mobile phones, televisions and so on.



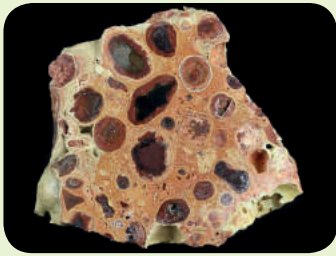
**Son:** Oh is it?



**Think**



Are there any minerals  
available in your district?  
What are they?

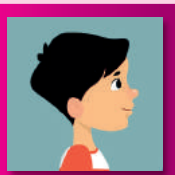


**Father:** Another very useful mineral is **Bauxite**.



**Son:** Bauxite. I have never heard of it.

**Father:** Bauxite is used to make **aluminium**. Aluminium is used in electronics, construction, vehicles and even in utensils.



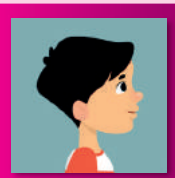
**Son:** Tell me more about bauxite, Dad.



The **bauxite** deposits are mainly found in the **Shervaroy hills** of Salem district, Tamil Nadu.



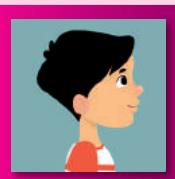
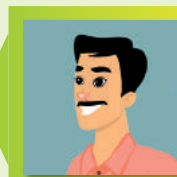
**Father:** Bauxite is used in Aircraft making industry, electrical industry and is also used in making machines.



**Son:** Interesting.



**Father:** Bauxite is used to make paper, purify water and refine petroleum. It is also used to manufacture rubber and cosmetics.



**Son:** This is very informative, Dad.







**ACTIVITY**  
Let us do



I1D3G5




Find the missing piece of the Aircraft.



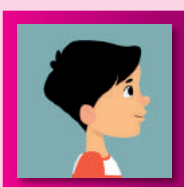





**Father:** Have you heard about **Zinc**?

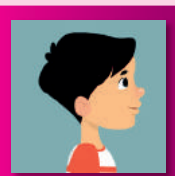
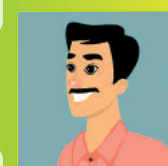


**Son:** No Dad. Tell me about **Zinc**.



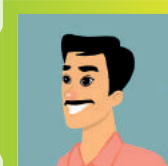


**Father:** Zinc is called the **essential trace element** because very small amount of zinc is necessary for human health. Our body does not store excess zinc, it must be consumed regularly as part of the diet. Common food sources of zinc include **red meat**, **white meat** and **sea food**.



**Son:** What are the other uses of zinc?

**Father:** Zinc oxide is widely used in the manufacture of many products such as paints, rubbers, cosmetics, medicines, inks, batteries, textiles and electrical equipments.

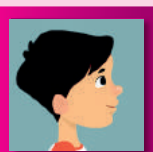
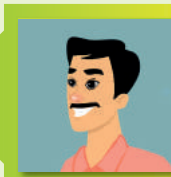




**Son:** Oh! Really?

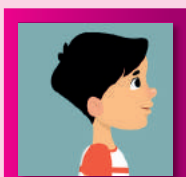


**Father:** The another most useful mineral is **Potash**.



**Son:** What are the uses of **Potash**?

**Father:** 95% of **Potash** is used for making **fertilizers**. If the soil does not have enough potassium, potash **fertilizers** are used to improve the quality of soil. The remaining 5% potash is used in commercial and industrial products such as soap.




**Son:** Thank you, Dad. This has been very useful. I am going to share this with my friends.

**Father:** That's a good idea! Son.






## Glossary



Conductor	:	A substance that quickly conducts electricity, heat and so on
Precious	:	Valuable
Manufacture	:	Make



## Recap

- 
- Minerals are very useful and found naturally on the Earth.
  - Copper is used in all electrical appliances.
  - Iron ore is mainly used to produce iron.
  - Gold is considered as one of the most precious metal.
  - Bauxite is used to make aluminium.
  - Zinc is called the essential trace element.
  - Potash is used for making fertilizer.



### I. Choose the correct answer.

1. The metal inside the wires are made up of \_\_\_\_\_ .

- a) Iron      b) Zinc      c) Copper

2. \_\_\_\_\_ is used for making jewels.

- a) Zinc      b) Bauxite      c) Gold

3. Which mineral is used as fertilizer ?

- a) Zinc Oxide      b) Potash      c) Iron ore

4. Zinc is found in \_\_\_\_\_ .

- a) Milk      b) Biscuit      c) Fish

5. Which mineral is used in Aircraft making industry?

- a) Zinc      b) Bauxite      c) Potash







### II. Match the following.


1	Bauxite	Railway tracks
2	Iron Ore	Copper
3	Zinc oxide	Aluminium
4	Metal Wires	Soap
5	Potash	Rubber products



### III. Answer the following.

1. Name some minerals found on the earth.
2. Name some minerals that are conductors of electricity.
3. Write few uses of Copper.
4. Give a short note on Iron ore.
5. Why Zinc is called the essential trace element?



**FUN WITH  
ACTIVITY**

## PROJECT

**Stick the pictures of mining projects like  
Bauxite / Lignite.**

There are a lot of mining projects running in Tamil Nadu to get resources like Bauxite, Lignite, Granite, Graphite, Limestone, Titanium and Magnesite.





UNIT

3

## CHILD SAFETY



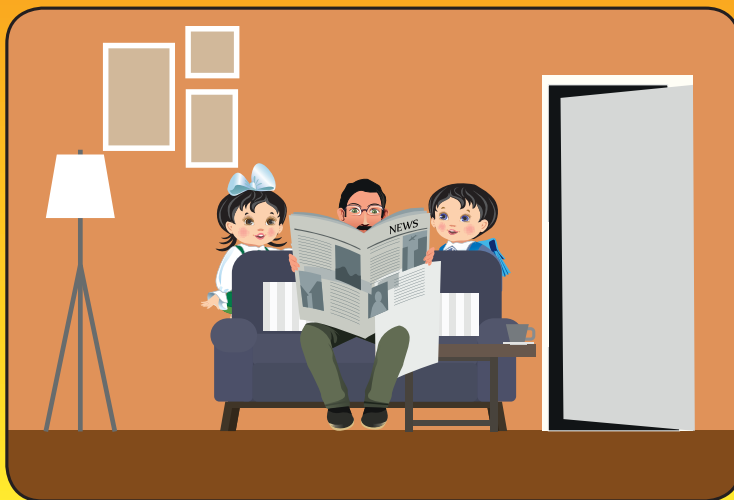
### Learning Objectives

Children will be able to:

- ❖ describe the importance of Childline.
- ❖ understand child safety.
- ❖ distinguish between safe touch and unsafe touch.



P2J8C7



Father is reading the newspaper. While the son and daughter peeps into the paper and finds an advertisement of 'Childline- 1098'.

**Son:** Dad, What does this **Childline number** mean?



**Father:** **Childline number** is a helpline number for children under the age of eighteen.

**Daughter:** Oh! Do they help children in doing their homework?



**Father:** Ha, ha! No, dear. It helps children who are in need of help and care.

**Son:** I didn't know about this.



**Father:** Childline service was first established as a project in the year 1996. Later between 1998-99, Childline was established all across India under the Ministry of Women and Child development.



**Son:** It has been there for a very long time then.



**Father:** Yes! In May 2013, Childline in Ahmedabad rescued around 16 children who were working in various parts of the city. **Child Labour** is an offence in India.

**Daughter:** Oh! Is it?



**Father:** Childline helps children who

- are work as labourers.
- are abandoned by their parents.
- are differently abled.
- are live in streets.

**Son:** How do they exactly know where and how children need help?



LET US  
**KNOW**

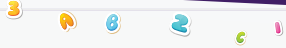
**Integrated Child Development Services (ICDS)** is a centrally sponsored scheme of government of India for early childhood care and development.



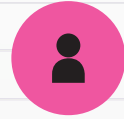


## ACTIVITY

Let us do



K6I4R2

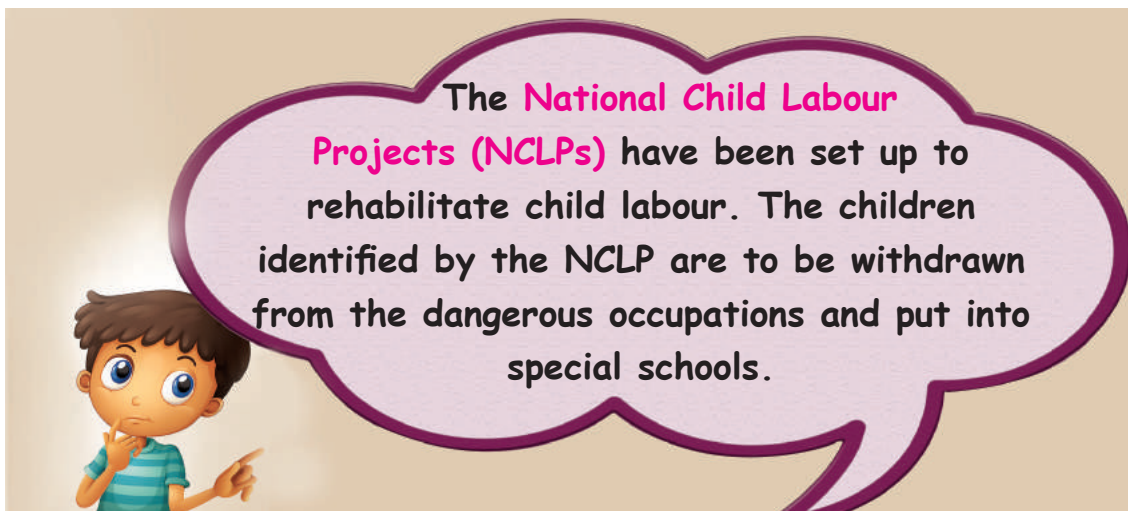


Which is the safest way of travelling?  
Put (✓) or (X) in the boxes.





**Father:** Childline number is **1098**. One can call on this number and ask for help or inform if they find children who need help.



**Son:** Oh I understand now. A child's safety is very important.



**Father:** Well said, son. There are many laws to protect children.



**Daughter:** What are they?







**Father:** We have helplines and laws to support and protect children. But it is very important to teach children of how to be safe and aware of what's happening around them.



### ACTIVITY

Let us write



Which is Safe touch / Unsafe touch?



\_\_\_\_\_



\_\_\_\_\_



**Son:** Oh, good to know.



**Daughter:** What are you going to teach us, Dad?



**Father:** I will teach you about Safe touch and unsafe touch.



**Son:** Tell me more about it.



**Father:** Hugs from family, or high-fives with your friends are all safe touch.



**Daughter:** What is unsafe touch, dad?



**Father:** It is unsafe when someone touches your chest, between your legs or lips or asks you to touch theirs.



**Son:** What about when I am not well and go for a check-up to a doctor?



**Father:** That's a very good question, dear. Doctors may touch these parts while they are doing a check-up and either me or your mother are in the same room.

**Daughter:** Okay, dad.



**Father:** If someone touches you unsafely they might scare you to keep it as a secret. They might get you gifts that you don't tell anyone. But remember dear, you must always inform me or your mother about it.

**Son:** Yes, I will definitely inform you or mom.



LET US  
KNOW

The **Indian Penal Code 1860**, punishes people who involve in child trafficking. There is also The **Prohibition of Child Marriage Act**, that prevents child marriages.



The Ministry of Women and Child Development has placed the draft **National Policy on Child Protection**. It aims at providing a safe environment for all children.



**Father:** If you are ever touched on any of these parts of your body by someone you know or someone in the family, then you must inform your teacher or another family member.

**Son and Daughter :** Sure, Dad. We will definitely inform if something like this happens. Thank you for talking to us about this.



**Father:** Don't thank me because it is every parents' and teachers' duty to talk to children about this. It will help you be safe and happy.





## Glossary

Labour	: Heavy physical work
Prohibition	: Refusal to approve
Rescue	: Save from danger



## Recap

- Childline helps children who are in need of care and protection.
- Childline was first established as a project in the year 1996.
- Childline helps children under the age of eighteen who work as labourers.
- Hugs from family, or high-fives with friends are all safe touch.
- If someone touches chest, between your legs or lips of your body is unsafe touch.







### I. Choose the correct answer.

1. What is the Childline number?  
a) 1099      b) 1098      c) 1089
2. Childline helps children under the age of \_\_\_\_\_.  
a) twenty      b) nineteen      c) eighteen
3. Childline helps children who \_\_\_\_\_.  
a) work as labourers      b) needs help with homework  
c) both a and b
4. A doctor touching a child's private part of the body while check-up while the child's father or mother is in the same room is \_\_\_\_\_ touch.  
a) unsafe      b) safe      c) none of the above
5. If someone gives you a unsafe touch, what will you do?  
a) inform parents      b) keep it as a secret  
c) both a and b

### II. Write true or false.

1. Child labour is not an offence. (      )
2. If someone is asking to touch the private parts of their body, it is unsafe touch.(      )
3. If someone gives us an unsafe touch, we must tell our parents or teacher. (      )




4. Indian Penal Code 1820 punishes people involved in child trafficking.  
(            )

5. The Childline helps children who work as labourers. (            ).

#### IV. Answer the following

1. Write a short note on Childline.
2. When was Childline established? Which ministry does it fall under?
3. What is safe touch?
4. What is unsafe touch?
5. What should you do if someone touches you unsafely?



**FUN WITH ACTIVITY**

## PROJECT

Collect more information about child welfare schemes.

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