

DELHI PUBLIC SCHOOL, SRINAGAR

Topic: Electricity and Circuits

Class 6th Science

Answer the following questions

3. Explain why the bulb would not glow in the arrangement shown in the given figure?

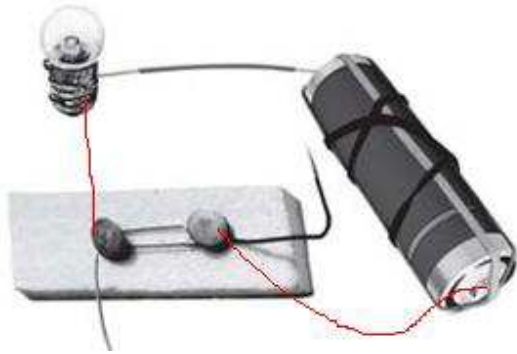


Answer: The bulb in the given arrangement would not glow because one of the terminals of the bulb is connected to that end of a screwdriver which is plastic. Plastic is an insulator and hence do not allow electric current to pass through it.

4. Complete the drawing shown in the given figure to indicate where the free ends of the two wires should be joined to make the bulb glow.



Answer:



5. What is the purpose of using an electric switch? Name some electrical gadgets that have switches built into them.

Answer: An electric switch helps us in making or breaking the electric circuit as and when required.

- It helps in saving electricity and in prolonging the life of an electric cell.
- It prevents the over-heating of appliances.

Table fan, mixer-grinder, television, oven, refrigerators etc. are some gadgets which have in built electrical switches.

6. Would the bulb glow after completing the circuit in figure (question 4) if instead of safety pin we use an eraser?

Answer: If an eraser is used instead of a safety pin to complete the circuit, the bulb would not glow. Eraser is an insulator and hence it would not allow electric current to flow.

7. Would the bulb glow in circuit shown in the given figure?



Answer: No, the bulb will not glow because both the wires are connected to the same terminal of the bulb.

8. Using the “conduction tester” on an object it was found that the bulb begins to glow. Is that object a conductor or an insulator? Explain.

Answer: The object is a conductor which is proved by electric circuit becoming complete.

9. Why should an electrician use rubber gloves while repairing an electric switch at your home? Explain.

Answer: An electrician uses rubber gloves while repairing an electric switch at our home because rubber acts as an insulator and does not allow current to pass through it and thereby prevent them from getting an electric shock.

10. The handles of the tools like screwdrivers and pliers used by electricians for repair work usually have plastic or rubber covers on them. Can you explain why?

Answer: The handles of the tools like screwdrivers and pliers used by electricians for repair work usually have plastic or rubber covers on them because plastic acts as an insulator and does not allow current to pass through it and thereby prevent them from getting an electric shock.



DELHI PUBLIC SCHOOL, SRINAGAR

ENGLISH

CLASS-VI

REVISION WORKSHEET

TOPIC: YOUNGUNCLE GOES TO HIS VILLAGE

Name: _____

Sec.: _____

A. Answer the following questions.

1. Enthusiastically means eagerly. What did Younguncle enthusiastically agree to and why?
2. Younguncle said, "What long faces!" What are long faces? Why did the children have long faces? What could be the opposite of long faces?

B. Read the extract carefully and answer the questions.

"And what about school?"

1. Who is the speaker?
2. Why does the speaker say these words?

"I'm very worried about the Neelamgiri National Sanctuary"

1. Who is the speaker?
2. Why was the speaker worried?

C. Write the meaning and frame meaningful sentences of the following words.

1. memorable
2. exploits
3. legendary
4. luscious and ambrosial
5. prosaic soul
6. reposing
7. imperiously

D. Choose the answer that is closet in meaning of the following.

1. ***The children wanted to go with Younguncle but they could not because***

- a. they had school.
- b. Younguncle had to go with a friend.
- c. it would have been too much trouble.
- d. their mother would not allow them to.

2. “Younguncle Plus Ancient Uncle Means Even More Trouble!” Mother felt so beacuse

- a. Younguncle and Ancient Uncle would lead the children into mischief.
- b. it would be too much trouble for Younguncle and Ancient Uncle.
- c. Younguncle and Ancient Uncle were not reliable.
- d. both of them were irresponsible and would get into trouble.

3. To which question below can “Certainly not’ be the answer?

- a. Did mother put her foot down?
- b. Were the children disappointed?
- c. Did mother trust Younguncle?
- d. Did the children want to go to the village?

E. Underline the pronouns in these sentences.

I leffthome at 6.45 this morning. Aman walked to school with me. He had a heavy bag. “What’s in your bag?’ I asked him. ‘My sports kit,’ he answered. ‘I need it for the football match today.’

Then we saw Mala. ‘I’m late!’ she shouted. She said something else, but we couldn’t hear her.

Then she went into a shop. She came out with Sara. We waved at them, but they didn’t see us.

F. Rewrite the passage using suitable pronouns in place of the underlined nouns.

Bobby and Varun are best friends. Bobby and Varun are neighbours. Bobby and Varun go to the same school. All teachers are fond of Bobby and Varun because Bobby and Varun always finish their work on time.

Bobby and Varun are in the school cricket team. Bobby is a batsman. Bobby's parents gave Bobby a bat on his birthday. Varun is the wicketkeeper of the school team. Varun is also the captain of the team.