

Worksheet

Like Father, Like Daughter

Very short answer questions

I. Choose the correct answer to fill in the blanks.

adopted, same, legs, environment, identical, virus, twins, Gregor Mendel, inherited

- a) The colour of our eyes is _____ from our parents.
- b) An _____ child does not resemble the people who bring him up.
- c) _____ twins look exactly alike.
- d) Children brought up in the _____ environment behave in a similar way.
- e) _____ are affected when a person suffers from polio.
- f) _____ explained hereditary of characters using pea plants.
- g) Saroja and Suvasini are _____.
- h) Polio is caused by _____.
- i) Some habits we get from our family, some skills we pick up from our _____.

Ans.

- a) Inherited
- b) Adopted
- c) Identical
- d) Same
- e) Legs
- f) Gregor Mendel
- g) Twins
- h) Virus
- i) 9.Environment

II. 1 Mark Questions. (Short answer questions)

- a) Whose habits and characters do we take?

- b) Who are identical twins?**
- c) Who is an adopted child?**
- d) Which part of the body will be affected by polio? Is this hereditary?**
- e) What is pulse polio?**
- f) Name two characteristics that a person inherits.**
- g) Will two sisters brought up in different environments behave in a similar way?**
- h) What is similar between Saroja and Suvasini?**

Ans.

- a) We take habits and characters from our family.
- b) Identical twins are siblings who are born at the same time, from the same mother, and who are genetically the same.
- c) The child who is not the natural child of the parents but has become a true child by legal action
- d) One of the legs is affected by polio. This is not hereditary.
- e) Pulse Polio is an immunisation campaign by the government of India to eliminate poliomyelitis (polio) in India by vaccinating all children under the age of five years against the polio virus
- f) Following are two characteristics that a person inherits:
 - a. Height
 - b. Colour of hairs
- g) Yes, two sisters brought up in different environments will behave in a similar way.
- h) Since Saroja and Suvasini are twin sisters, therefore, their facial features eyes, height etc. are common i.e. they resemble to each other, as a result the other qualities which they adopted later on different.

III. 2 Mark Questions. (Long answer questions)

- a) What is the difference between Saroja and Suvasini?**
- b) What did Gregor Mendel find about the pea plant?**
- c) What is polio? How can it be prevented?**

Ans.

- a) Saroja know two languages Tamil and Marathi and as well, she is good at singing but Suvasini lacks these qualities. Suvasini know about Saroja does not. These two looks so alike but are so different.
- b) Gregor Mendel, through his work on pea plants, discovered the fundamental laws of inheritance. He deduced that genes come in pairs and are inherited as distinct units, one from each parent. Mendel tracked the segregation of parental genes and their appearance in the offspring as dominant or recessive traits.
- c) 3.Polio is an infectious disease caused by poliovirus. In some cases, there is muscle weakness resulting in an inability to move. It can be prevented by vaccination.