

YOUNG SCIENTIST ACTIVITY BOOK

CLASS - II

Sample Pages



EDUHEAL FOUNDATION
• LEARNING FOR LIFE •

DISCOVER • INVENT • EXPERIMENT • EXPLORE

CLASS - II

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SYLLABUS GUIDELINES

Plants

About Plants, Herbs, Shrubs, trees, Life of Plants what we get from plants.

Animal

About different types of animals, household/pet animals, wild animals, behaviour of animals, young ones of different animals.

Air Around us

Air, features of air, what moving air can do, simple experiments of air.

Water

How water is useful, how water move in nature - water cycle, work that moving water can do.

Up is the sky

Basic knowledge about Sun, Moon and stars, Indian astronauts.

Our Body

Various parts of our body. What work they do. How to keep clean our body parts, bones and muscles.

Food and Nutrition

What we should eat. Which food is good. Good food habits.

Safety and First-Aid

Safety rules to be followed on roads, while playing. What to do when injured. Precaution while playing indoor games.



Make A Fruit Chaat

Unscramble the letter to correctly spell the name of the fruit.
Write the word on the line and make a fruit chaat of your choice.

1. Ybrtswrear _____
2. malerwotne _____
3. lpape _____
4. gonam _____
5. mulp _____
6. nrogae _____
7. hapec _____
8. abaann _____
9. pegar _____
10. pianpepel _____
11. rehyrc _____
12. yapaap _____



Draw pictures of the fruits
you would use to make a
delicious fruit Chaat

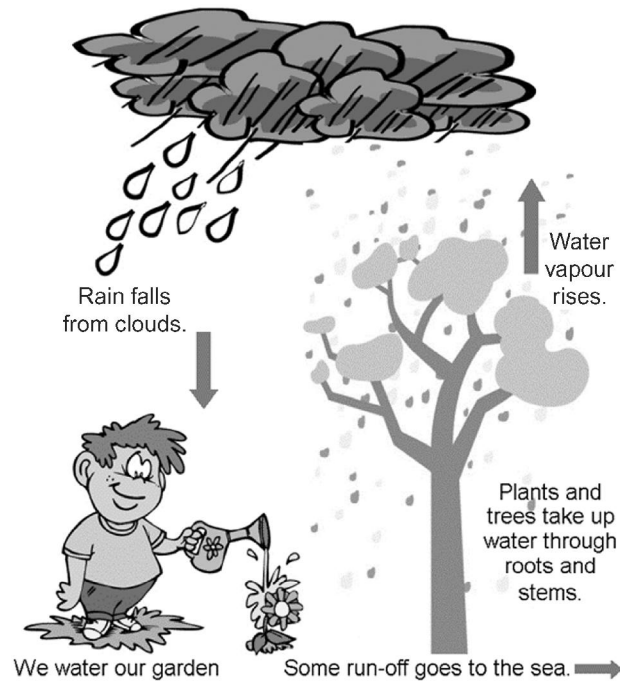
Answers

- | | | | | | |
|---------------|---------------|----------|---------------|------------|------------|
| 1. strawberry | 2. watermelon | 3. apple | 4. mango | 5. plum | 6. orange |
| 7. peach | 8. banana | 9. grape | 10. pineapple | 11. cherry | 12. papaya |

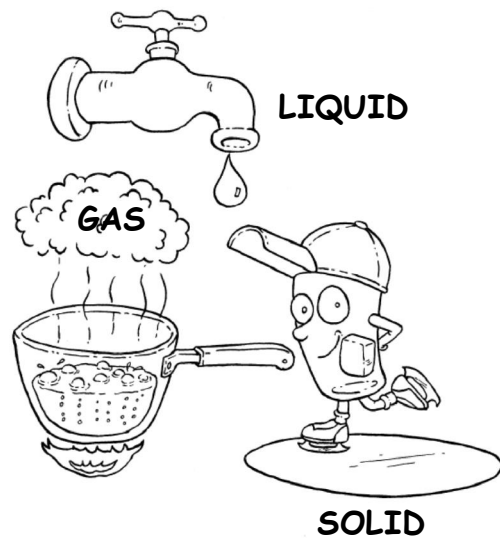


Guess What?

Can you say what is going on here?



Water comes in three different forms:



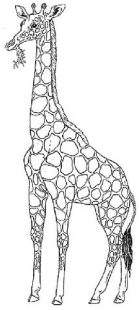
Can you explain what is happening in the figure?

Give a name for this figure.



Animal Fun

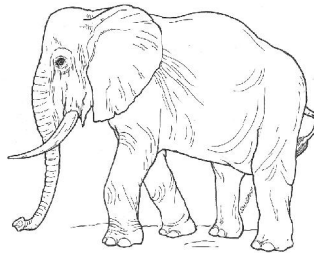
Read the name of each animal.



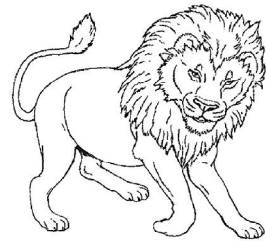
Giraffe



Zebra



Elephant



Lion

Complete each sentence.

I live in a large group called a *pride*.

I am a/an_____.

I am a very huge animal and I like to eat a lot.

I am a/an_____.

I like to eat the leaves from tall trees.

I am a/an_____.

I have a short mane and a tuft of hair at the end of my tail.

I am a/an_____.

Draw a picture of your favourite animal.

Fool Your Friend!



Create a very beautiful but simple illusion using water and light trickery to fool your friend. Tell your friend that you can bend a pencil without actually bending it!

All you need is :

☺ a pencil

☺ a glass of water



What to do :

1. It's simple! Put the pencil in the glass of water.
2. Make sure that the pencil is resting on the side of the glass at a diagonal.
3. Stand back and look at the pencil through the glass.
The pencil looks as if it is bent or cut in half!

What is Happening :

Light rays travel through different transparent materials, like glass and water, at different speeds. (Same as you run with different speed on smooth road and rough soil surface.) This causes the light rays to bend and change direction when they pass from one to another.

In the experiment, light rays travel through the glass and then the water, at different speeds. This makes the light rays bend and the image of the pencil visible to you becomes distorted.



Fun With Colours

Light's primary colours are red, green and blue. By mixing the primary colours you get yellow, cyan and magenta. The colours you make when you mix paints are different to the colours that result from mixing light.



You will need :

- ☺ two torches
- ☺ a piece of red cellophane
- ☺ a piece of green cellophane
- ☺ two rubber bands
- ☺ wall of your room



What to do :

1. Cover the first torch with the piece of red cellophane and tie with an elastic band.
2. Cover the second torch with the piece of green cellophane and also tie with an elastic band.
3. Shine the torches at the same point on the white wall of your room.

You have just mixed different coloured lights! When you shine the torches at the same point on the white wall, you will notice that the spot of light is yellow. You have proved that yellow light is made up of green and red light.

Now try mixing other colours and record what colour can be made by mixing different colours.

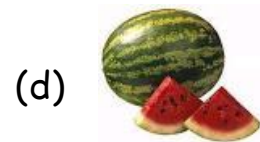
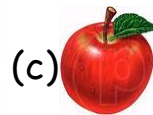


Nationwide Interactive Science Olympiad, 2007

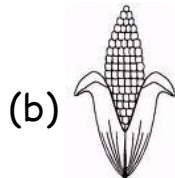
Sample Paper

SCIENCE

1. Match the leaf given below with correct fruit



2. Which of the following you use most commonly for making 'chapaties'?



(d) None of these

3. Which is the correct match
- | Part We eat | Plant Part |
|-------------|------------|
| (a) | Root |
| (b) | Leaf |
| (c) | Seed |
| (d) | Fruit |



4. Which of the following animal is not a pet animal?

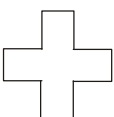


5. Fast and strong winds are called

(a) Breeze (b) Storm (c) Wind (d) Hurricane

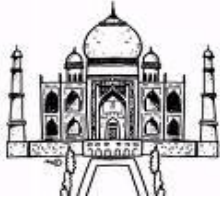
6. Where does a horse live?



7.  This sign in red colour is for

(a) Doctors (b) Lawyers (c) Police (d) Carpenter

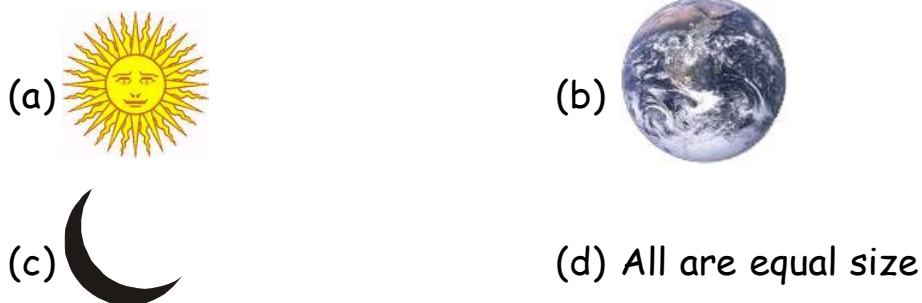
8.



Above monument is made up of

(a) Granite (b) Marble (c) Quartz (d) Diamond.

9. Which of the following is largest

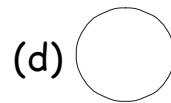
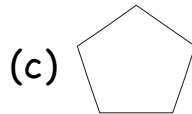
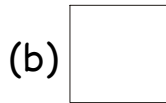
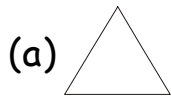


10. We obtain silk from

(a) Animals (b) Plants (c) Insects (d) Birds

MENTAL ABILITY

11. Mark odd one



12. What will be the next number in following series
8, 16, 24, 32_____

(a) 42

(b) 44

(c) 40

(d) 50

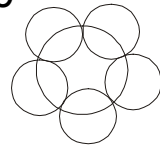
13. How many circles are there in the figure

(a) 5

(b) 6

(c) 7

(d) 8



14. $\square + 3 = 9$. What number is at $\square$

(a) 3

(b) 7

(c) 6

(d) 5

15.



Which is heavier?

(a) 1 kg Iron (b) 1 kg Wool (c) 1 kg Cotton (d) All are equal

COMPUTER

16. To correct a mistake, which of the following key will be used ?

(a) Backspace

(b) Enter

(c) Alphabet key

(d) Number key



17. As cassette player : cassette *similarly* floppy drive :

- (a) Floppy (b) Magnetic tape
(c) CD-ROM (d) Hard disk

18. The code word that gives you access to your computer is

- (a) Due (b) Hint (c) Help (d) Password

19. Computer we use for personal use are

- (a) PC (b) AC (c) DC (d) SC

20. Food of computer is

- (a) Cells (b) Battery (c) Charge (d) Electricity

Answer key :-

- | | | | | |
|---------|---------|---------|---------|---------|
| 1. (a) | 2. (a) | 3. (a) | 4. (b) | 5. (b) |
| 6. (b) | 7. (a) | 8. (b) | 9. (a) | 10. (c) |
| 11. (d) | 12. (c) | 13. (b) | 14. (c) | 15. (d) |
| 16. (a) | 17. (a) | 18. (d) | 19. (a) | 20. (d) |

