WORKSHEET CLASS IX TOPIC: STRUCTURE OF ATOM

| NAME | ROLL NO |
|--|---|
| 1.FILL IN THE BLANKS | |
| (a) Rutherford's alpha particle scattering ex | speriment led to the discovery of the |
| (b) Isotopes have same | _ but different |
| (c) Neon and chlorine have atomic numbers and | s 10 and 17 respectively. Their valencies will be |
| (d) The electronic configuration of Silicon | is and of Sulphur is |
| (e) An atom with 3 protons and four neutro | ns will have a valency of |
| 2.ANSWER THE FOLLOWING | |
| (a)Which particles determine the mass of an | n atom? |
| (b) Calculate the number of neutrons presented as $^{31}_{15}X$. | nt in the nucleus of an element X which is |
| (c) What is the maximum number of electronatom? | ons that can be accommodated in the K-Shell of an |
| (d) Name the scientist who discovered the r | nucleus. |
| (e) Name the scientist who discovered that electrons are present in an atom in discrete orbits | |
| (f) Define isotopes. | |
| (g) Name the particles that determine the m | ass of an atom. |
| (h) Who proposed the first model of an ator | m's structure? |
| (i) What is the number of valence electrons | in chloride ion? |
| (j) The atomic number of fluorine is 9 and in neutrons present in its nucleus? | its atomic mass is 19. What is the number of |

WORKSHEET CLASS- IX TOPIC: WHAT DOES A DISEASE LOOK LIKE

Complete the paragraph given below choosing appropriate words from the word box in the space provided.

| Drastic long term pus i Loose motions headache w Acute diseases common cold a | ound elepha | | |
|---|-------------|-----------------------|------------|
| A disease is defined as a condition in which body health is When | | | |
| there is a disease, either the | | or | of |
| one or more systems of the body will change for the worse. These changes give rise to | | | |
| and signs of disease. Symptoms of disease are the things we feel as | | | |
| being 'wrong'. So, we have a | , | we have | , we |
| have with | | ; these are all symp | toms. Some |
| diseases last for short periods of time, and are called | | | |
| Other ailments can last for a long time, even as much as a lifetime and are called | | | |
| An example is the infection causing | | | |
| Chronic disease have a | e | ffect on health as co | ompared to |
| acute diseases. | | | |

WORKSHEET CLASS IX TOPIC- NATURAL RESOURCES

| NAME: | ROLL NO: |
|---|---------------------------------------|
| IF I WAS A ? Pretend yo following questions accordingly. | ourself to be water and answer the |
| 1. Why are you essential for life? | |
| | |
| | |
| | |
| 2. What happens when you reach the upper layers of t | he atmosphere in the form of vapours? |
| | |
| | |
| 3. How do life forms living in water bodies get affects | ed when you get polluted? |
| | |
| | |
| | |
| | |
| 4. Write the possible causes of your pollution.(any tw | o) |
| | |
| | |
| | |
| | |
| 5. What is the major source of fresh form of you in cit | ty inhabited by people? |

WORKSHEET CLASS IX TOPIC: BIOGEOCHEMICAL CYCLES

| NAME: | ROLL NO: |
|-------|----------|
| | |

Draw a neat and labeled diagram of carbon cycle. Paste or draw some relevant pictures.