

## STD 5 – SCIENCE

### WORKSHEET 1 - CHP 8 - ANIMALS EVERYWHERE.

1. THE LARGE ANIMAL KINGDOM CONSISTS OF DIFFERENT TYPES OF -----.(PLANTS/ANIMALS) (1)
2. -----FROM THE AIR BURNS THE FOOD WITHIN THE BODIES OF ANIMALS AND RELEASES ENERGY. (OXYGEN / CARBONDIOXIDE) (1)
3. WHEN WATER FLOWS OVER THE GILLS AN EXCHANGE OF ----- TAKES PLACE. (GASES /FOOD) (1)
4. THE GILLS ABSORB-----FROM THE WATER AND RELEASE -----FROM THE WATER. (CARBONDIOXIDE/OXYGEN) (1)
5. WINGS OF INSECTSARE MADE OF TINY COLOURED----- (SCALES/FEATHERS/BONES) (1)
6. GIVE 4 USES OF HINDLIMBS IN BIRDS. (2)
7. GIVE 6 POINTS TO EXPLAIN THAT HUMANS ARE THE MOST DEVELOPED AMONG ALL ANIMALS. (3)

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### WORKSHEET 2 - CHP 9 – OUR SKELETAL SYSTEM.

1. AN ADULT HUMAN HAS -----NUMBER OF BONES OF DIFFERENT SIZES AND SHAPES IN THE BODY. (206/205/207) (1)
2. THE SKULL IS MADE UP OF ----- NUMBER OF BONES. (20/22/23) (1)
3. THE BACKBONE IS MADE UP OF ----- NUMBER OF SMALL BONES CALLED VERTEBRAE. . (30/32/33) (1)
4. THERE ARE -----PAIRS OF BOW SHAPED RIBS WHICH FORM THE RIB CAGE. . (11/12/13) (1)
5. THE ----- LIES INSIDE THE HIP GIRDLES. (URINARY BLADDER/HEART/LUNGS) (1)
6. NAME THE UPPERMOST VERTEBRAE. WHY IS IT NAMED SO? (2)
7. HOW MANY MUSCLES ARE PRESENT IN THE BODY? GIVE 5 WAYS MUSCLES HELP US. (3)

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### WORKSHEET 3 - CHP 10 – OUR NERVOUS SYSTEM.

1. OUR ----- SYSTEM CONTROLS ALL THE OTHER SYSTEMS IN OUR BODY. (MUSCULAR/NERVOUS) (1)
2. AN ADULT HUMAN BRAIN WEIGHS ABOUT -----Kg. (1.6/1.4/1.8) (1)
3. ABOUT -----ML OF BLOOD PUMPS THROUGH OUR BRAIN EVERY MINUTE. (650/750) (1)
4. OUR BRAIN USES APPROXIMATELY ----- PERCENT OF THE TOTAL OXYGEN PUMPED AROUND OUR BODY. (30/20/10) (1)
5. NAME THE FOUR MAJOR TASTE THE NERVE ENDINGS IN THE TASTE BUDS DETECT? (SWEET/SALTY/SOUR/BITTER) (1)
6. WHY SHOULD WE NEVER (A) RUB OUR EYES WITH A DIRTY TOWEL OR DIRTY HANDS?  
(B) CLEAN OUR EARS WITH A POINTED OBJECT?(2)
7. GIVE 3 USES OF OUR SENSE ORGAN SKIN. (3)

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### WORKSHEET 4 - CHP 11 – FORCE AND ENERGY.

1. -----FORCE ARISES WHEN A BODY DEFORMS.  
(MUSCULAR/ELASTIC)(1)
2. WE ARE ABLE TO WALK BECAUSE OF -----  
FORCE. (FRICTIONAL/BUOYANT) (1)
3. WHY DO ASTRONAUTS FLOAT IN SPACE? (1)
4. A PAIR OF SCISSORS USES -----FORCE  
TO CUT SOMETHING.(ELASTIC /MECHANICAL).(1)
5. WE ARE ABLE TO STAY ON THE GROUND BECAUSE OF -----  
-----FORCE.(BUOYANT /GRAVITATIONAL)(1)
6. GIVE REASON (A) WALKING UP A SLOPE IS EASIER THAN CLIMBING  
A LADDER TO THE SAME HEIGHT. (B) IN HOSPITALS, RAMPS ARE  
PROVIDED NEXT TO STAIRCASES.(2)
7. WHAT IS THE MEANING OF GEOTHERMAL ENERGY? WHY DO WE  
SAY IT IS A RENEWABLE ENERGY SOURCE? (3)

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**WORKSHEET 5 - CHP 12 – OUR LIFE SUPPORTS.**

1. THE ATMOSPHERE IS HELD AROUND THE EARTH BY THE EARTHS -----.(GASES/GRAVITY) (1)
2. AIR CONTAINS -----WHICH PLANTS USE TO PREPARE FOOD. (OXYGEN/CARBONDIOXIDE) (1)
3. SPACE SHUTTLES MOVE IN THIS LAYER----- -----(MESOSPHERE/THERMOSPHERE) (1)
4. -----GAS IS USED TO PRODUCE COLOURFUL GLOW IN GLASS TUBES. (HELIUM/ARGON) (1)
5. AS WE GO UP THE MOUNTAIN, AIR PRESSURE ----- -----(INCREASES/REDUCES) (1)
6. WRITE 2 USES OF AIR PRESSURE IN OUR DAY TO DAY LIFE.(2)
7. HOW DO THE FOLLOWING GET NITROGEN  
(A) PLANTS (B) ANIMALS.(3)

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### WORKSHEET 6 - CHP 13 – OUR EARTH'S NATURAL SATELLITE.

1. THE ----- IS THE EARTH'S CLOSEST NEIGHBOUR IN SPACE. (SUN/MOON) (1)
2. THE CRATERS ON THE SURFACE OF THE MOON ARE FORMED BY THE PIECES OF ROCKS CALLED ----- (PLANETS/METEORITES) (1)
3. WHY SHOULD WE NOT LOOK AT A SOLAR ECLIPSE WITH A NAKED EYE?(1)
4. A LUNAR ECLIPSE OCCURS ONLY DURING THE ----- ---- (NIGHT/DAY). (1)
5. A SOLAR ECLIPSE OCCURS ONLY DURING THE ----- ----- (NIGHT/DAY). (1)
6. WHEN DO THE HIGHEST TIDES OCCUR? (2)
7. WRITE 3 DIFFERENT JOBS OF SPACEMEN?

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### **WORKSHEET 7 - CHP 15 – CHANGES IN OUR ENVIRONMENT.**

1. OZONE IS FOUND IN THE -----LAYER.  
(TROPOSPHERE/STRATOSPHERE). (1)
2. WATER VAPOUR ACCOUNTS FOR ----- PERCENT  
OF THE GREENHOUSE EFFECT. (30-40/35-75/ 60-70) (1)
3. THE WASTE FROM THE ANIMALS IS USED AS -----  
----- (MANURE/FERTILIZERS) (1)
4. WHAT MAKES THE GREEN HOUSE WARM? (1)
5. IN GREENHOUSE, THE CLIMATE IS -----  
. (HIGH/CONTROLLED) (1)
6. GIVE 2 MAIN REASONS FOR THE INCREASE IN THE AMOUNT OF  
CARBONDIOXIDE? (2)
7. WRITE 3 REASONS FOR POLLUTION.(3)