

SCIENCE QUIZ BEE QUESTIONS AND ANSWERS FOR GRADE 4 PHILIPPINES

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ARE YOU READY TO TEST YOUR GRADE 4 SCIENCE KNOWLEDGE? THIS COMPREHENSIVE GUIDE PROVIDES A TREASURE TROVE OF SCIENCE QUIZ BEE QUESTIONS AND ANSWERS SPECIFICALLY TAILORED FOR FILIPINO GRADE 4 STUDENTS. WHETHER YOU'RE A TEACHER PREPARING FOR A SCHOOL COMPETITION, A PARENT HELPING YOUR CHILD STUDY, OR A STUDENT LOOKING TO BOOST YOUR SCIENCE SKILLS, YOU'VE COME TO THE RIGHT PLACE. WE'VE COMPILED A WIDE RANGE OF QUESTIONS COVERING KEY GRADE 4 SCIENCE TOPICS, ENSURING A FUN AND ENGAGING LEARNING EXPERIENCE. LET'S DIVE INTO THE FASCINATING WORLD OF SCIENCE!

I. LIVING THINGS AND THEIR ENVIRONMENT

1. WHAT IS THE PROCESS BY WHICH PLANTS MAKE THEIR OWN FOOD?

ANSWER: PHOTOSYNTHESIS

1. NAME THREE THINGS PLANTS NEED TO SURVIVE.

ANSWER: SUNLIGHT, WATER, AND NUTRIENTS (SOIL)

1. WHAT IS THE DIFFERENCE BETWEEN A HERBIVORE, A CARNIVORE, AND AN OMNIVORE? GIVE AN EXAMPLE OF EACH.

ANSWER: A HERBIVORE EATS ONLY PLANTS (E.G., COW); A CARNIVORE EATS ONLY MEAT (E.G., LION); AN OMNIVORE EATS BOTH PLANTS AND MEAT (E.G., HUMAN).

1. WHAT IS A HABITAT? GIVE AN EXAMPLE OF A HABITAT AND THE ANIMALS THAT LIVE THERE.

ANSWER: A HABITAT IS THE NATURAL ENVIRONMENT WHERE AN ANIMAL OR PLANT LIVES. EXAMPLE: A CORAL REEF IS A HABITAT FOR FISH, CORALS, AND OTHER MARINE ANIMALS.

1. WHAT IS THE ROLE OF DECOMPOSERS IN AN ECOSYSTEM? GIVE AN EXAMPLE OF A DECOMPOSER.

ANSWER: DECOMPOSERS BREAK DOWN DEAD PLANTS AND ANIMALS, RETURNING NUTRIENTS TO THE SOIL. EXAMPLES INCLUDE FUNGI AND BACTERIA.

II. MATTER AND ITS PROPERTIES

1. WHAT ARE THE THREE STATES OF MATTER? GIVE AN EXAMPLE OF EACH.

ANSWER: SOLID (E.G., ICE), LIQUID (E.G., WATER), AND GAS (E.G., AIR).

1. WHAT IS THE DIFFERENCE BETWEEN MASS AND WEIGHT?

ANSWER: MASS IS THE AMOUNT OF MATTER IN AN OBJECT, WHILE WEIGHT IS THE FORCE OF GRAVITY ON AN OBJECT.

1. WHAT HAPPENS TO THE VOLUME OF WATER WHEN IT FREEZES?

ANSWER: THE VOLUME INCREASES (EXPANDS).

1. EXPLAIN THE DIFFERENCE BETWEEN A PHYSICAL CHANGE AND A CHEMICAL CHANGE. GIVE AN EXAMPLE OF EACH.

ANSWER: A PHYSICAL CHANGE ALTERS THE FORM OR APPEARANCE OF A SUBSTANCE BUT NOT ITS CHEMICAL COMPOSITION (E.G., MELTING ICE). A CHEMICAL CHANGE PRODUCES A NEW SUBSTANCE WITH DIFFERENT PROPERTIES (E.G., BURNING WOOD).

1. WHAT IS A MIXTURE? GIVE AN EXAMPLE OF A MIXTURE.

ANSWER: A MIXTURE IS A COMBINATION OF TWO OR MORE SUBSTANCES THAT ARE NOT CHEMICALLY COMBINED. EXAMPLE: SALTWATER.

III. FORCE AND MOTION

1. WHAT IS FORCE? GIVE TWO EXAMPLES OF FORCES.

ANSWER: FORCE IS A PUSH OR A PULL. EXAMPLES: GRAVITY AND FRICTION.

1. WHAT IS GRAVITY?

ANSWER: GRAVITY IS THE FORCE THAT PULLS OBJECTS TOWARDS THE CENTER OF THE EARTH.

1. EXPLAIN THE CONCEPT OF FRICTION.

ANSWER: FRICTION IS A FORCE THAT OPPOSES MOTION BETWEEN TWO SURFACES IN CONTACT.

1. WHAT IS SIMPLE MACHINE? NAME THREE EXAMPLES OF SIMPLE MACHINES.

ANSWER: A SIMPLE MACHINE IS A BASIC MECHANICAL DEVICE THAT MAKES WORK EASIER. EXAMPLES: LEVER, PULLEY, INCLINED PLANE (RAMP).

1. WHAT IS NEWTON'S FIRST LAW OF MOTION (INERTIA)?

ANSWER: AN OBJECT AT REST STAYS AT REST AND AN OBJECT IN MOTION STAYS IN MOTION WITH THE SAME SPEED AND IN THE SAME DIRECTION UNLESS ACTED UPON BY AN UNBALANCED FORCE.

IV. THE SOLAR SYSTEM AND BEYOND

1. WHAT IS THE NAME OF OUR PLANET?

ANSWER: EARTH

1. WHAT IS THE LARGEST PLANET IN OUR SOLAR SYSTEM?

ANSWER: JUPITER

1. WHAT IS THE STAR AT THE CENTER OF OUR SOLAR SYSTEM?

ANSWER: THE SUN

1. WHAT ARE THE PHASES OF THE MOON?

ANSWER: NEW MOON, WAXING CRESCENT, FIRST QUARTER, WAXING GIBBOUS, FULL MOON, WANING GIBBOUS, LAST QUARTER, WANING CRESCENT.

1. WHAT IS A CONSTELLATION? GIVE AN EXAMPLE OF A CONSTELLATION.

ANSWER: A CONSTELLATION IS A GROUP OF STARS THAT FORM A PATTERN IN THE NIGHT SKY. EXAMPLE: Ursa Major (THE BIG DIPPER).

V. THE HUMAN BODY

1. WHAT ARE THE FIVE SENSES?

ANSWER: SIGHT, HEARING, SMELL, TASTE, AND TOUCH.

1. WHAT IS THE FUNCTION OF THE HEART?

ANSWER: TO PUMP BLOOD THROUGHOUT THE BODY.

1. WHAT IS THE FUNCTION OF THE LUNGS?

ANSWER: TO TAKE IN OXYGEN AND RELEASE CARBON DIOXIDE.

1. WHAT ARE THE MAIN PARTS OF THE SKELETAL SYSTEM?

ANSWER: BONES, JOINTS, AND CARTILAGE.

1. WHAT IS THE FUNCTION OF THE DIGESTIVE SYSTEM?

ANSWER: TO BREAK DOWN FOOD INTO NUTRIENTS THAT THE BODY CAN ABSORB.

CONCLUSION

THIS COLLECTION OF SCIENCE QUIZ BEE QUESTIONS AND ANSWERS PROVIDES A STRONG FOUNDATION FOR GRADE 4 STUDENTS IN THE PHILIPPINES. REMEMBER TO EXPLORE EACH TOPIC FURTHER USING YOUR TEXTBOOKS, ONLINE RESOURCES, AND BY ENGAGING IN HANDS-ON EXPERIMENTS. CONSISTENT PRACTICE AND A CURIOUS MIND WILL HELP YOU EXCEL IN YOUR SCIENCE STUDIES! GOOD LUCK WITH YOUR QUIZ BEE!

FREQUENTLY ASKED QUESTIONS (FAQs)

1. ARE THESE QUESTIONS APPROPRIATE FOR ALL GRADE 4 STUDENTS IN THE PHILIPPINES? THE QUESTIONS ARE DESIGNED TO COVER THE COMMON CORE CURRICULUM FOR GRADE 4 SCIENCE IN THE PHILIPPINES, BUT SOME SCHOOLS MIGHT HAVE SLIGHTLY DIFFERENT CURRICULUMS. IT'S ALWAYS BEST TO CHECK WITH YOUR TEACHER OR SCHOOL MATERIALS FOR SPECIFIC REQUIREMENTS.

1. CAN I USE THESE QUESTIONS FOR PRACTICE OUTSIDE OF A FORMAL QUIZ BEE? ABSOLUTELY! THESE QUESTIONS ARE EXCELLENT FOR REINFORCING SCIENCE CONCEPTS LEARNED IN CLASS, PREPARING FOR TESTS, AND SIMPLY EXPANDING YOUR KNOWLEDGE OF SCIENCE.

1. WHERE CAN I FIND MORE RESOURCES FOR GRADE 4 SCIENCE IN THE PHILIPPINES? YOU CAN EXPLORE THE DEPARTMENT OF EDUCATION (DepEd) WEBSITE, EDUCATIONAL WEBSITES SPECIFIC TO THE PHILIPPINES, AND YOUR SCHOOL LIBRARY FOR ADDITIONAL RESOURCES AND LEARNING MATERIALS.

1. ARE THE ANSWERS PROVIDED 100% ACCURATE? WE HAVE STRIVED FOR ACCURACY IN PROVIDING THESE ANSWERS, BUT IT IS ALWAYS RECOMMENDED TO CROSS-REFERENCE WITH RELIABLE SOURCES AND YOUR TEACHERS. SCIENCE IS CONSTANTLY EVOLVING, AND SOME DETAILS MIGHT BE REFINED OVER TIME.

1. CAN I ADAPT THESE QUESTIONS FOR YOUNGER OR OLDER STUDENTS? CERTAINLY! YOU CAN ADAPT THESE QUESTIONS BY SIMPLIFYING THEM FOR YOUNGER STUDENTS OR MAKING THEM MORE COMPLEX FOR OLDER STUDENTS. THE KEY IS TO ADJUST THE LANGUAGE AND DEPTH OF THE QUESTIONS TO MATCH THE STUDENT'S LEVEL OF UNDERSTANDING.

ADDITIONAL RESOURCES

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