



Science 5

Written Work # 1

Name of Learner: _____ **Section:** _____ **Date:** _____

Competency: Describe how rocks turn into soil. (S5ES-IVa-1)

Directions: Identify the change happening in each situation. Write PW for physical weathering and CW for chemical weathering.

- _____ 1. Minerals in rocks dissolve.
- _____ 2. Water inside the rocks freezes and melts again.
- _____ 3. Tree roots can grow into cracks and break rocks apart.
- _____ 4. Carbonic acid is formed from water mixing with carbon dioxide.
- _____ 5. The chemical composition of rocks changes when acid is produced by roots of some plants.

Competency: Investigate extent of soil erosion in the community and its effects on living things and the environment. (S5ES-IVb-2)

Multiple Choice Directions: Read each question carefully and encircle the letter that corresponds to the correct answer.

- _____ 1. Landslides on mountain slopes show the force of ____.
A. gravity B. runoff C. running water D. wind
- _____ 2. When sand dunes are deposited, the agent responsible is ____.
A. glaciers B. raindrops C. splash D. wind
- _____ 3. What makes the water muddy after a heavy rain?
A. The pebbles picked up by water.
B. The rainwater turned brown in color.
C. The gravel and sand carried by the water.
D. The fine dust particles dissolved in water.
- _____ 4. When is wind an agent of soil erosion? When it ____.
A. stops picking up rocks
B. presses down on rocks
C. breaks rocks into pieces
D. carries rock pieces to other places
- _____ 5. A mass of snow and ice in motion is a(n) _____.
A. abrasion B. glacier C. loss deposit D. out wash

Parent's Name and Signature



4th Quarter- Week 2

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DULONGBAYAN ELEMENTARY SCHOOL
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Written Work # 2

Name of Learner: _____ Section: _____ Date: _____

Competency: Describe the effects of the wind, given a typhoon warning signal. (S5ES-IVf-6)

- Describe the meaning of public storm warning signal.

Identification

Directions: Identify the Modified Public Storm Warning System being described. Write the storm signal number.

PSWS1	PSWS2	PSWS3	PSWS4	PSWS5
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- _____ 1. Winds of 170 kph are expected within 18 hours.
- _____ 2. Winds with a velocity above 100 kph but below 180 kph.
- _____ 3. A storm is expected within 36 hours. Wind speed is 60 kph.
- _____ 4. Strong winds of 60 to 100 kph are expected within 24 hours.
- _____ 5. Very strong winds of more than 185 kph are expected to hit land within 12 hours.

Directions: Find out how the people could avoid the harmful effects of weather disturbances such as typhoon. Put a (/) on the blank if the practice is desirable and a (x) if it is undesirable.

- _____ 6. Prepare candles, matches, flashlights and radios with extra batteries.
- _____ 7. The families near rivers move to evacuation centers before the areas get flooded.
- _____ 8. People dispose their garbage properly and practice cleanliness in their surroundings.
- _____ 9. Drainages in the residential areas are kept free from solid wastes that may cause clogging.
- _____ 10. The children are allowed to swim with friends and neighbors when there is water in the streets.

Parent's Name and Signature



4th Quarter- Week 3

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Written Work # 3

Name of Learner: _____ Section: _____ Date: _____

Competency: Infer the pattern in the changes in the appearance of the moon. (S5ES-IVg-7)

Multiple Choice Directions: Read each question carefully and encircle the letter that corresponds to the correct answer.

- ____ 1. What causes tides?
A. strong winds
B. moon's rotation on its axis
C. Earth's revolution around the sun
D. gravitational pull of the sun and the moon
- ____ 2. How often does the moon pass over a particular spot on Earth's surface causing tides as a result of its gravitational pull? Once every _____.
A. 10 seconds
B. 12 hours and 25 minutes
C. 24 hours and 50 minutes
D. 14 days
- ____ 3. Which two phases of the moon do neap tides take place?
A. new , full
B. third quarter, full
C. new , first quarter
D. first quarter, third quarter
- ____ 4. The following statements tell about tides, EXCEPT _____.
A. Tides pertain to the regular rise and fall in the level of the ocean water.
B. Tides occur when water from rivers flow to the ocean water which causes it to rise.
C. Tides may be lower than normal because the sun, earth and moon form a right angle.
D. Tides may be greater than the normal level because the sun, the moon and the earth are aligned.
- ____ 5. Which gravitational pull has the greatest effect on the tides?
A. Sun's gravitational pull on earth
B. Moon's gravitational pull on earth
C. Sun's gravitational pull on the moon
D. Earth's gravitational pull on the moon

Competency: Infer the pattern in the changes in the appearance of the moon. (S5ES-IVg-7) · Identify some beliefs and practices associated with the moon.

Directions: Identify the beliefs and practices associated with the moon. Put a check (✓) on the blank if it is a belief/practice associated with the moon and cross (X) if not.

- _____ 1. It is good to plant crops during new moon.
- _____ 2. Eating and drinking during full moon is bad.
- _____ 3. The light of the moon affects fertility of women.
- _____ 4. The full moon is associated with human madness.
- _____ 5. A ring around the moon means that the rain will come in three days



4th Quarter- Week 4

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Written Work # 4

Name of Learner: _____ **Section:** _____ **Date:** _____

Competency: Identify star patterns that can be seen at a particular times of the year. (S5ES-IVi-j-9)

Multiple Choice Directions: Read each question carefully and WRITE the letter that corresponds to the correct answer.

- _____ 1. Which constellation can help a traveller find the south sky at night time?
A. Andromeda B. Cassiopeia C. Crux D. Orion
- _____ 2. In what season are Leo and Virgo visible in the night sky?
A. autumn B. spring C. summer D. winter
- _____ 3. Which constellation can help a traveller find the North Pole without a compass?
A. Andromeda B. Ursa Major C. Crux D. Orion
- _____ 4. Why are constellations important?
A. They are used to praise gods.
B. They help mariners and navigators find directions.
C. They brighten the sky with their beautiful patterns.
D. They are used to tell horoscopes or fortune telling in astrology.
- _____ 5. How do astronomers use the constellations in the sky?
A. for star gazing B. for signs of meteorites
C. for drawing stick figures D. for mapping regions in the sky

True or False Directions: Write TRUE if the statement is correct and FALSE if wrong.

- _____ 1. The Hubble telescope is an optical telescope.
- _____ 2. Optical telescopes collect visible light from the outer space.
- _____ 3. The Hale telescope in western United States is a refracting telescope.
- _____ 4. The Infrared Astronomical Satellite launched in 1983 is designed to look at black holes and supernovas.
- _____ 5. Astronomers used radio telescope to study objects too far to be seen by ordinary telescopes in order for them to detect radio waves the objects give off.

Parent's Name and Signature

