

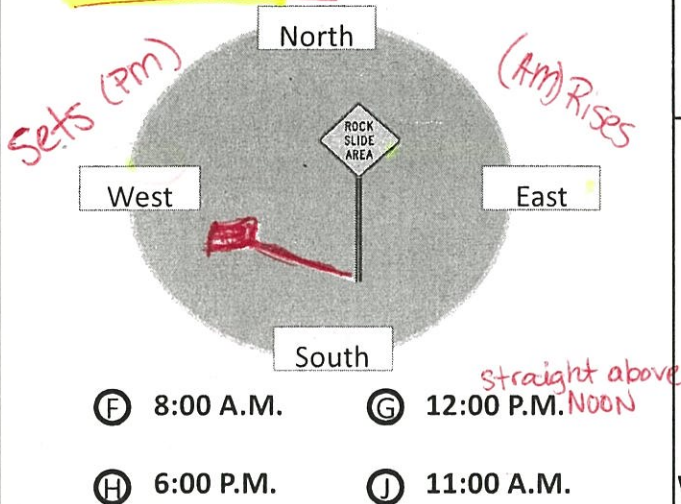
DAY 6 - REY SKYWALKER STAAR Wars : 5th grade Science Review

Earth and Space- 5.7C(R), 5.8C(R), 4.7A(S), 4.7C(S), 4.8A(S), 4.8B(S) Name _____

1. The production of carbon dioxide into the Earth's atmosphere is causing harm to the environment. Which of these is an example of an alternate way to produce energy in order to help reduce environmental harm?

- (A) using fossil fuels to heat homes *Non renewable*
- (B) using geothermal energy to heat office buildings *Earth's heat*
- (C) using petroleum to fuel cars *Non renewable*
- (D) using natural gas to cook *Non renewable*

2. Mandy and her family go on vacation in August. While going to visit the rock slide, Mandy noticed the shadow being cast from the road sign. According to the shadow, approximately what time of day is it?



- (F) 8:00 A.M.
- (G) 12:00 P.M.
- (H) 6:00 P.M.
- (J) 11:00 A.M.

3. The first stage of the water cycle is missing in the chart below.

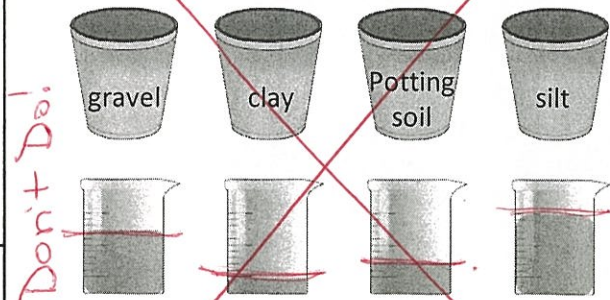
1. ?

- 2. Evaporation turns water into vapor or steam.
- 3. Water vapor gets cold and creates condensation.
- 4. The clouds get heavy and release precipitation.

Which answer choice best completes the chart?

- (A) solar energy heats the Earth's water
- (B) runoff water flows down
- (C) fog begins to form condensation near the ground
- (D) dark clouds are forming after evaporation

4. A group of students investigated soil and how it retains water. They got three identical cups and placed a different type of soil in each. Each cup had a hole in the bottom along with 250 mL of water. Pictured below shows the amount of water that drained from each cup of soil.



Based on these results, which type of soil should be used for a plant with shallow roots?

- (F) gravel
- (G) silt *Drains too much*
- (H) potting soil
- (J) clay *Retains too much*

5. The chart below shows natural resources available on Earth.

| Renewable | Non-renewable |
|-----------|---------------|
| animals | coal |
| plants | oil |
| ? | natural gas |

Which answer choice best completes the chart?

- (A) air
- (B) minerals *NON*
- (C) petroleum *FF NON*
- (D) metal *NON*

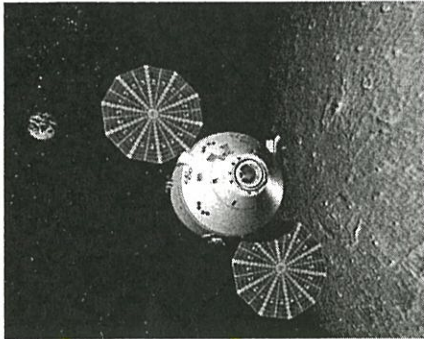
6. The Earth rotates on its axis once every 24 hours. Which cycle is a direct result of the Earth's rotation?

- (F) water cycle *sun's heat*
- (G) day and night *rotation*
- (H) moon phases *moon's orbit*
- (J) seasons *Earth's tilt*

DAY 6 - REY SKYWALKER STAAR Wars : 5th grade Science Review

Earth and Space- 5.7C(R), 5.8C(R), 4.7A(S), 4.7C(S), 4.8A(S), 4.8B(S) Name _____

7. There are more than a dozen man-made satellites in orbit. These satellites help NASA study the Earth's atmosphere, oceans, and land. Most man-made satellites in space are made of an antenna and a power source to produce electricity.



This man-made satellite produces electricity most likely by using --

- (A) fossil fuels *Not in space*
- (B) geothermal energy *Earth's heat Not in space*
- (C) biofuels *Not in space*
- (D) solar energy *in space* ✓

8. Which picture is NOT an example of energy conservation? *Not saving energy*

(F) solar *Renewable*

(G) Wind *Renewable*

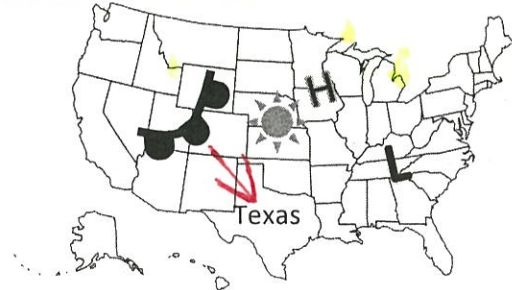
(H) hydro *Renewable*

(J) natural Gas *NON Renewable FF*

9. The Sun, Earth and Moon all have physical characteristics. Which physical characteristic do the Moon and Earth have in common?

- (A) They don't produce their own light. *EM ✓*
- (B) They have an atmosphere. *EM X*
- (C) They have lakes. *EM ✓*
- (D) They can support life. *EM X*

10. According to the map, what type of weather is moving toward Texas?



| | | |
|--|---------------------------|--------------------------|
| | H high pressure | L low Pressure |
|--|---------------------------|--------------------------|

- (F) cold front
- (G) sunshine
- (H) warm front
- (J) high pressure

11. A group of students created a sun dial with a pencil and a ball of clay. They noticed the shadow of the pencil moved throughout the day making the sun appear to move across the sky. The shadow moved throughout the day because of--

- (A) Earth's revolution *Year orbit*
- (B) Earth's rotation *Day spin on axis*
- (C) Sun's revolution *does NOT orbit*
- (D) Moon's rotation *28 days*

12. A group of students designed the experiment pictured below.

What question were the students most likely trying to answer?

- (F) In which soil will the plant grow best? *variable*
- (G) In which type of pot will the plant grow best? *constant*
- (H) How much water does a plant need? *No info*
- (J) Which type of plant will grow best? *constant*