

ST name: G 4 \

Q 1: Connect the word to its meaning: page 114-115

1-Made of diagonal pieces connecting beams and columns.

shear wall

2- A force that comes from the sides.

Bracing

3-Stiff wall made of braced panels.

Lateral force

Q2: Choose correct answer:

1-What steps should a student take to design a solution to a problem? كيفية حل المشكلات

- A. Improve, communicate, plan, investigate, ask
- B. Test, plan, investigate, improve, ask
- C. Ask, investigate, plan, tests, improve
- D. Ask, investigate, communicate, improve, plan

2- An emergency management specialist is someone who helps in an emergency situation:

A- people

B- animals

3- Earthquakes are to occur where faults are located.

A- less likely

B- more likely

4-If you are indoors during an earthquake, you can be safe.

A-under a table

B-near a window

5-Scientists are using new technology to..... when an earthquakes will coming.

A-Predict or detect

B-Stop

6-What structures can be used to help a building resist of an earthquake?

A. Bracing and damper

B-Shear wall

C-Rubber joins

D- All of them

7-The sensor detects waves of earthquake firstly from break at fault.

A-Transverse wave

B- Longitudinal wave

8- Which best describes how people can prepare for earthquakes?

- A. People can use seismographs to predict earthquakes.
- B. There is no way to prepare for earthquakes.
- C. People can build earthquake-safe buildings in earthquake zones.
- D. People can use technology to stop earthquakes.

9-Which best describes how earthquakes and volcanoes shape the land?

- A. They can destroy things, but they can also build up the land.
- B. They break down the land.
- C. They build up the land.
- D. Only weathering and erosion can change the land.

Q3: Write the name of 1,2 and 3 on the picture down, use this words:

(X-Bracing -- Beams -- Column)

