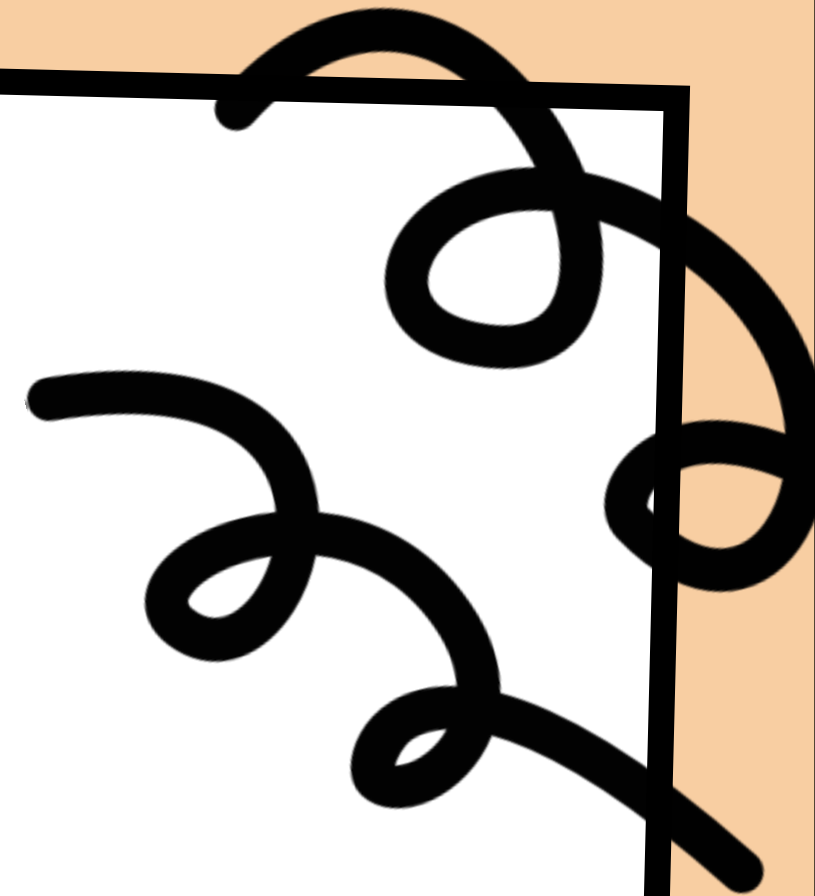
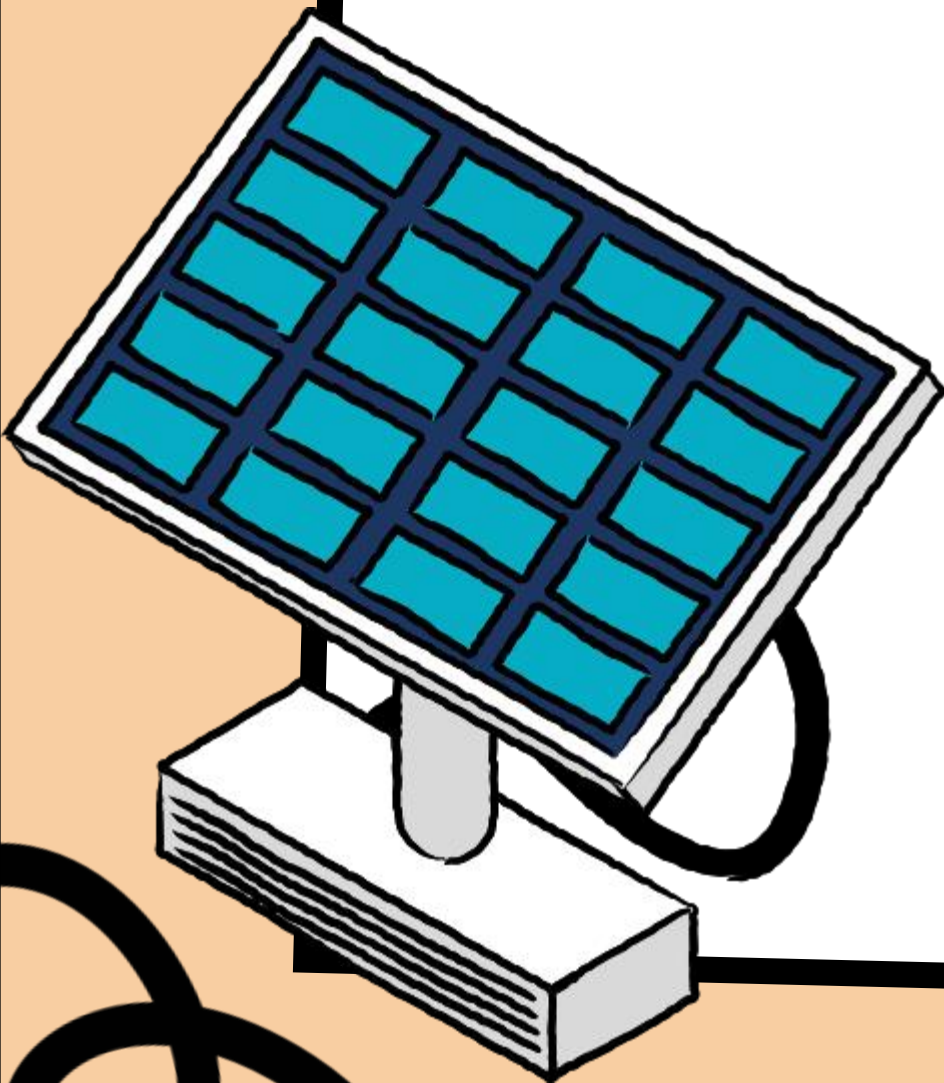


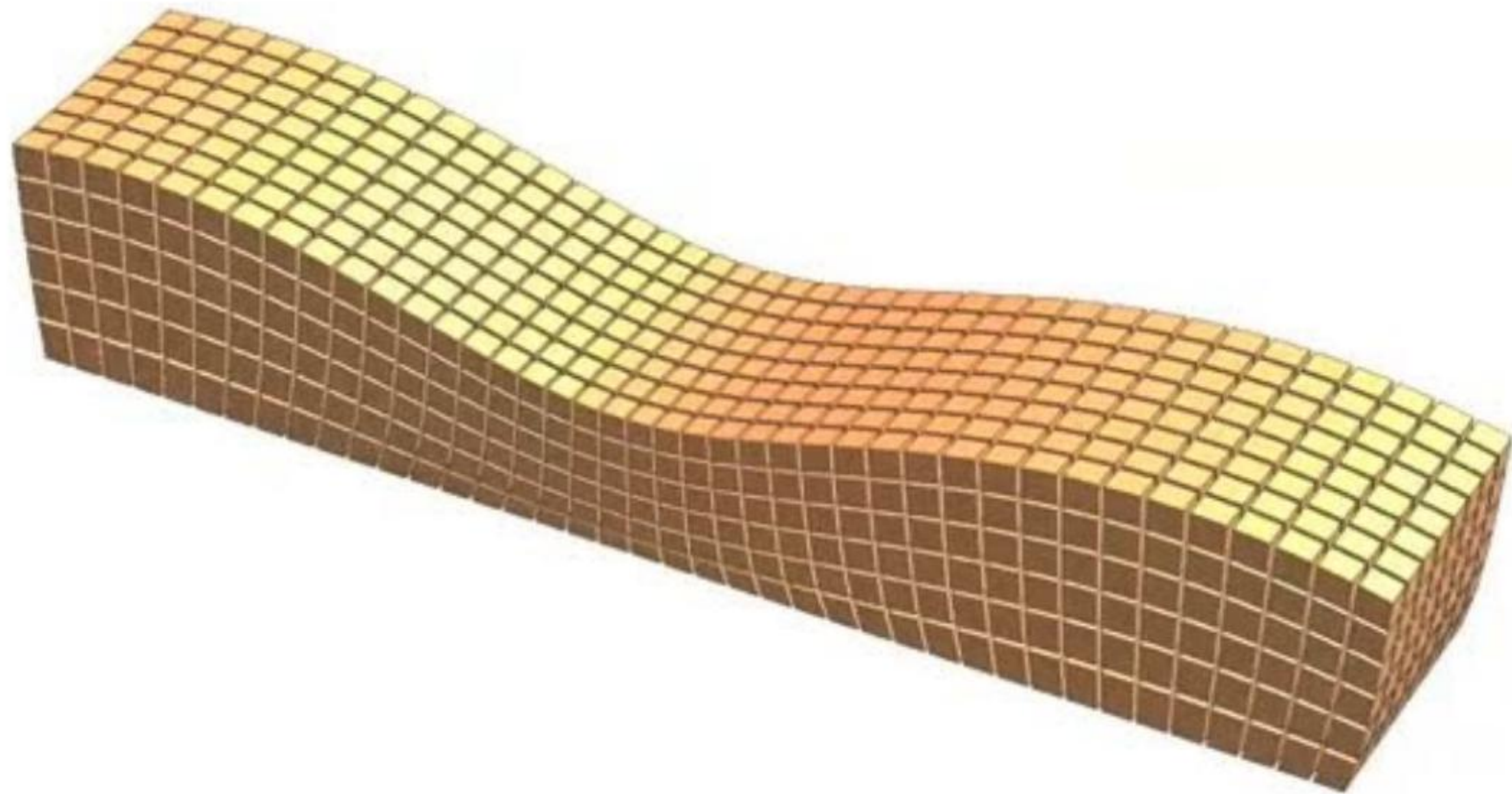
DAY 1



SHORT REVIEW

What are the^m
types of seismic
waves?

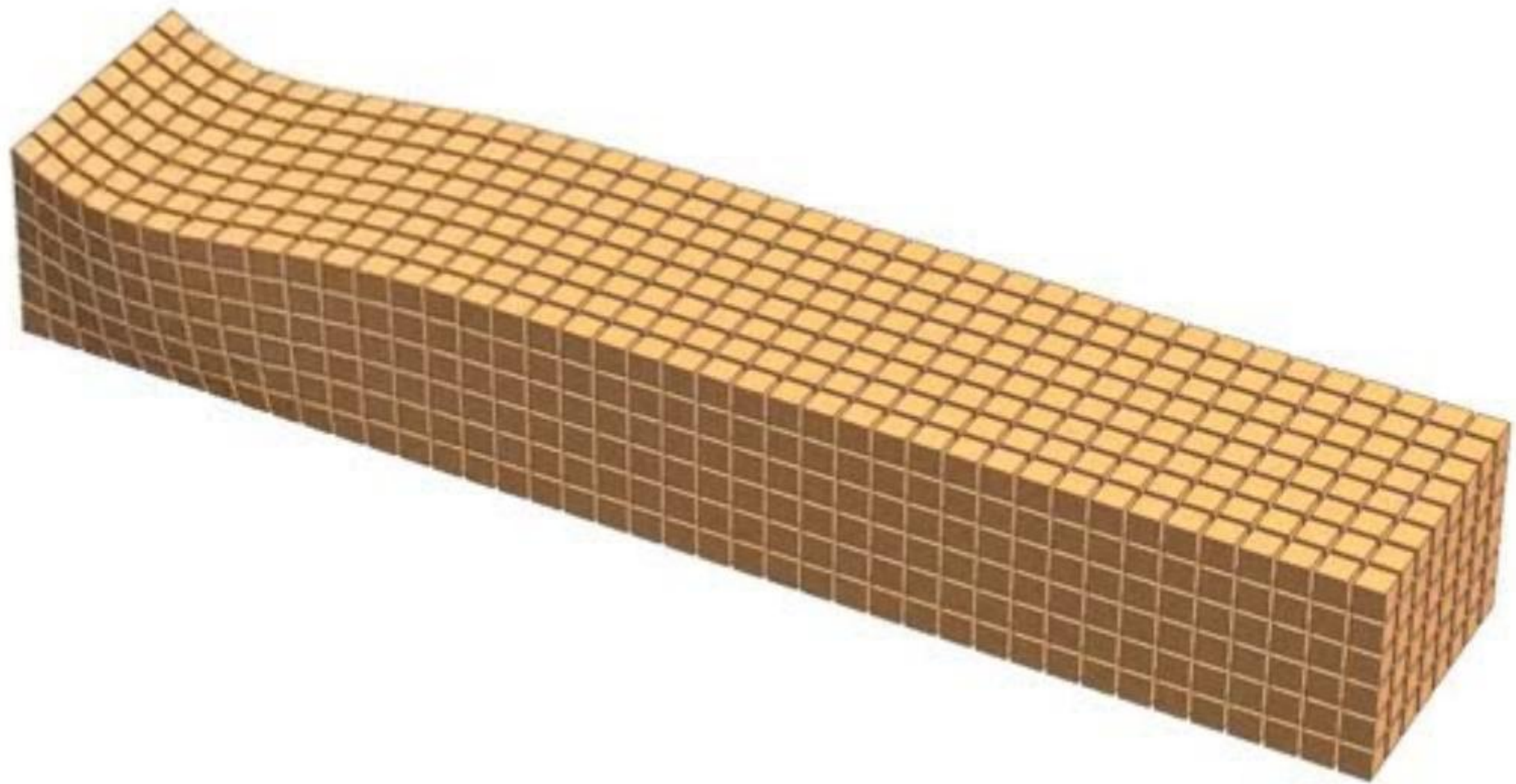
**CAN YOU IDENTIFY
WHAT TYPE OF SEISMIC
WAVE THE
ILLUSTRATION BELOW?**



type of surface seismic wave that travels along the Earth's surface, causing the ground to move in a rolling motion similar to ocean waves during an earthquake.

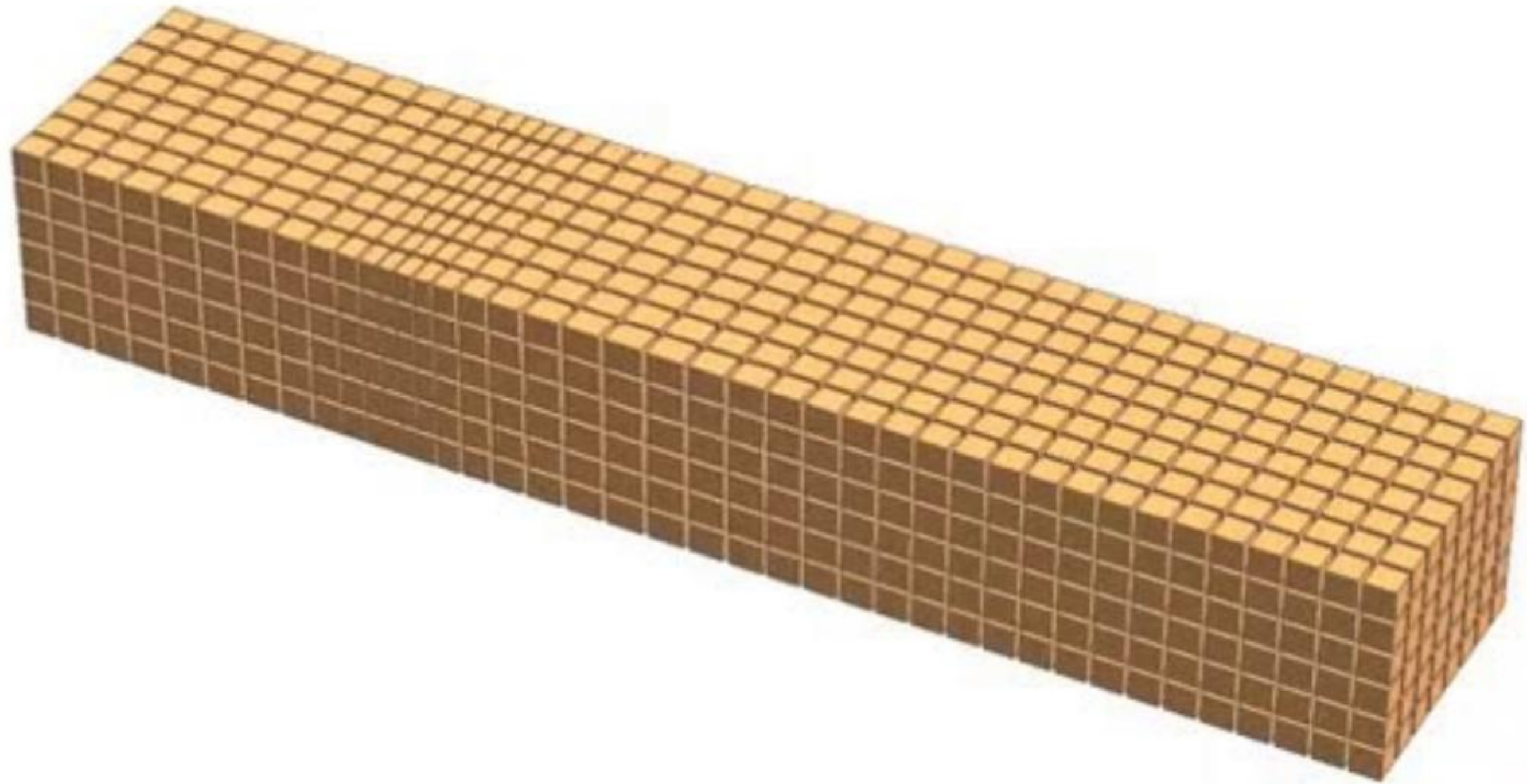
RAYLEIGH-

WAVE



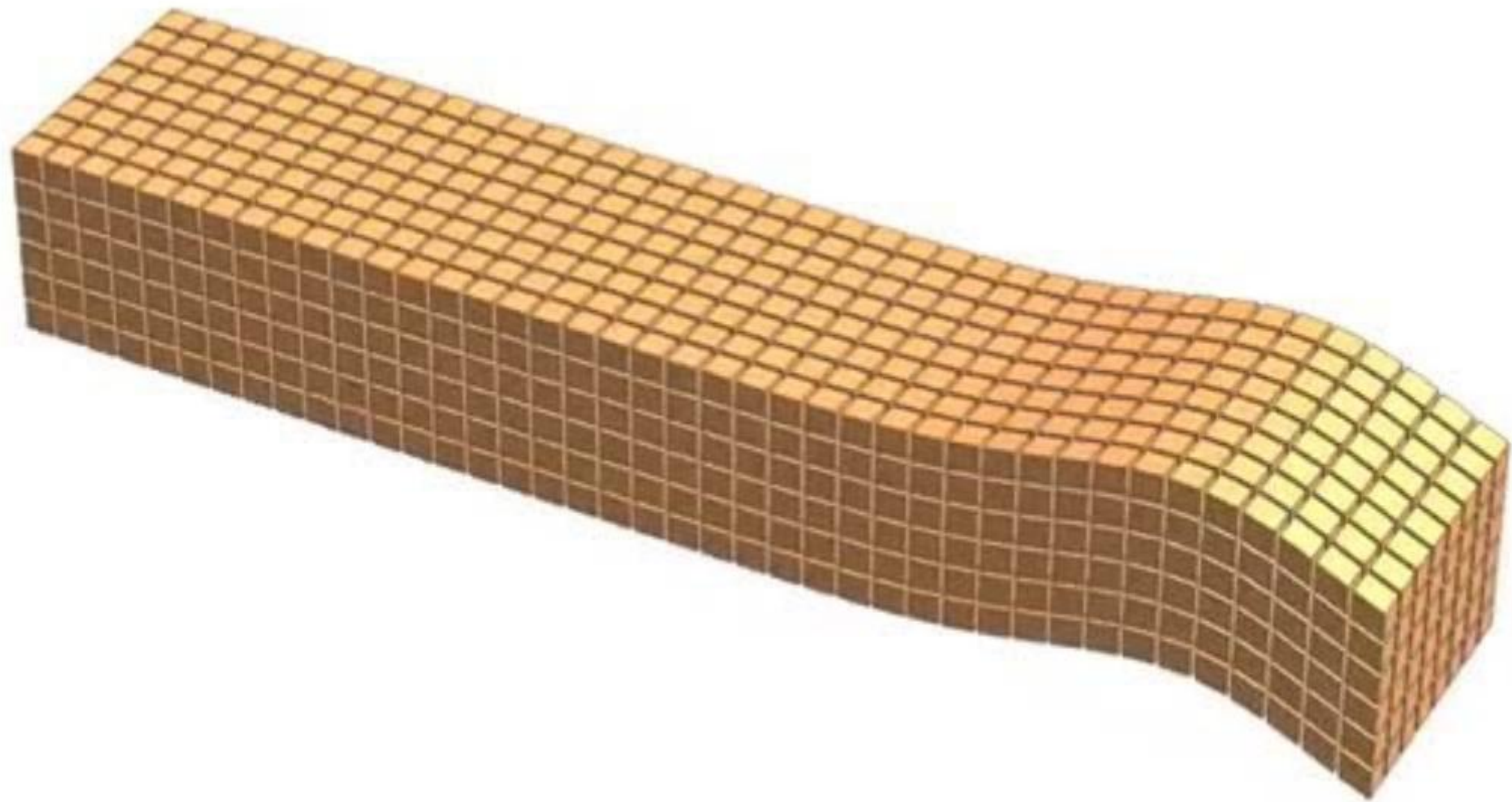
type of surface seismic wave that moves the ground side to side in a horizontal motion during an earthquake, often causing significant damage to structures.

LOVE - WAVE



**fastest type of seismic wave
that travels through solids,
liquids, and gases, moving
particles back and forth in
the same direction as the
wave travels**

P-WAVE



type of seismic wave that moves the ground up and down or side to side, travels slower than P-waves, and can only pass through solid materials

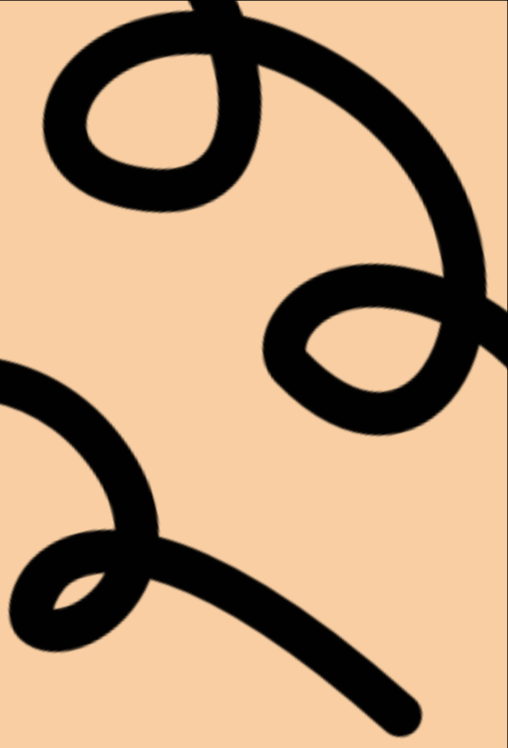
S-WAVE

Body-waves travel through the Earth's interior, while surface-waves move along the surface.



LEARNING

OBJECTIVES



COGNITIVE:

- identify the key components of the local disaster readiness plan related to earthquakes;**

PSYCHOMOTOR

- **demonstrate the correct technique for "Drop, Cover, and Hold On" during simulated earthquake drills.;
and**

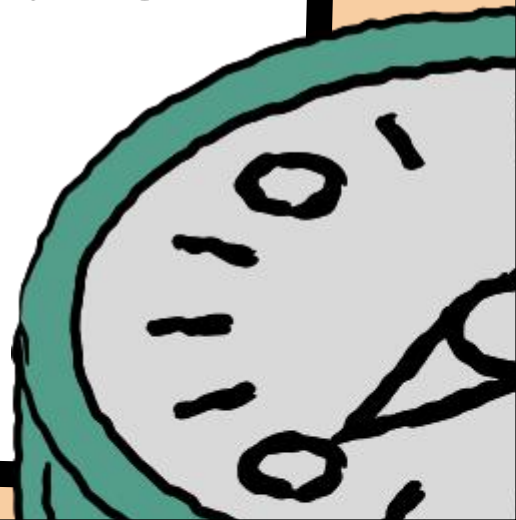
AFFECTIVE:

- **increased confidence in their ability to respond effectively during and after an earthquake by following the local disaster readiness plan.**

**EARTHQUAKE LOCAL
DISASTER
READINESS PLANS
AND RESPONSE**

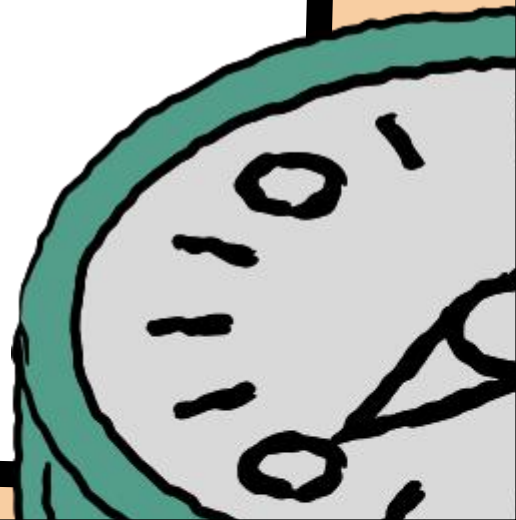
IMPORTANT TERMINOLOGIES

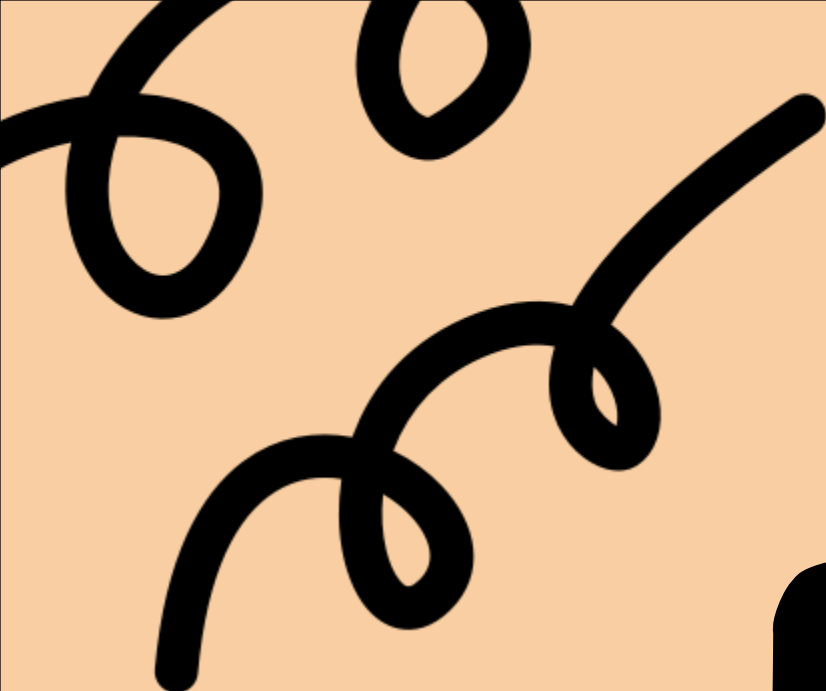
- Disaster Readiness Plan - a document outlining procedures for preparing for, responding to, and recovering from disasters.



IMPORTANT TERMINOLOGIES

Drop, Cover, and Hold On - the standard earthquake safety action.





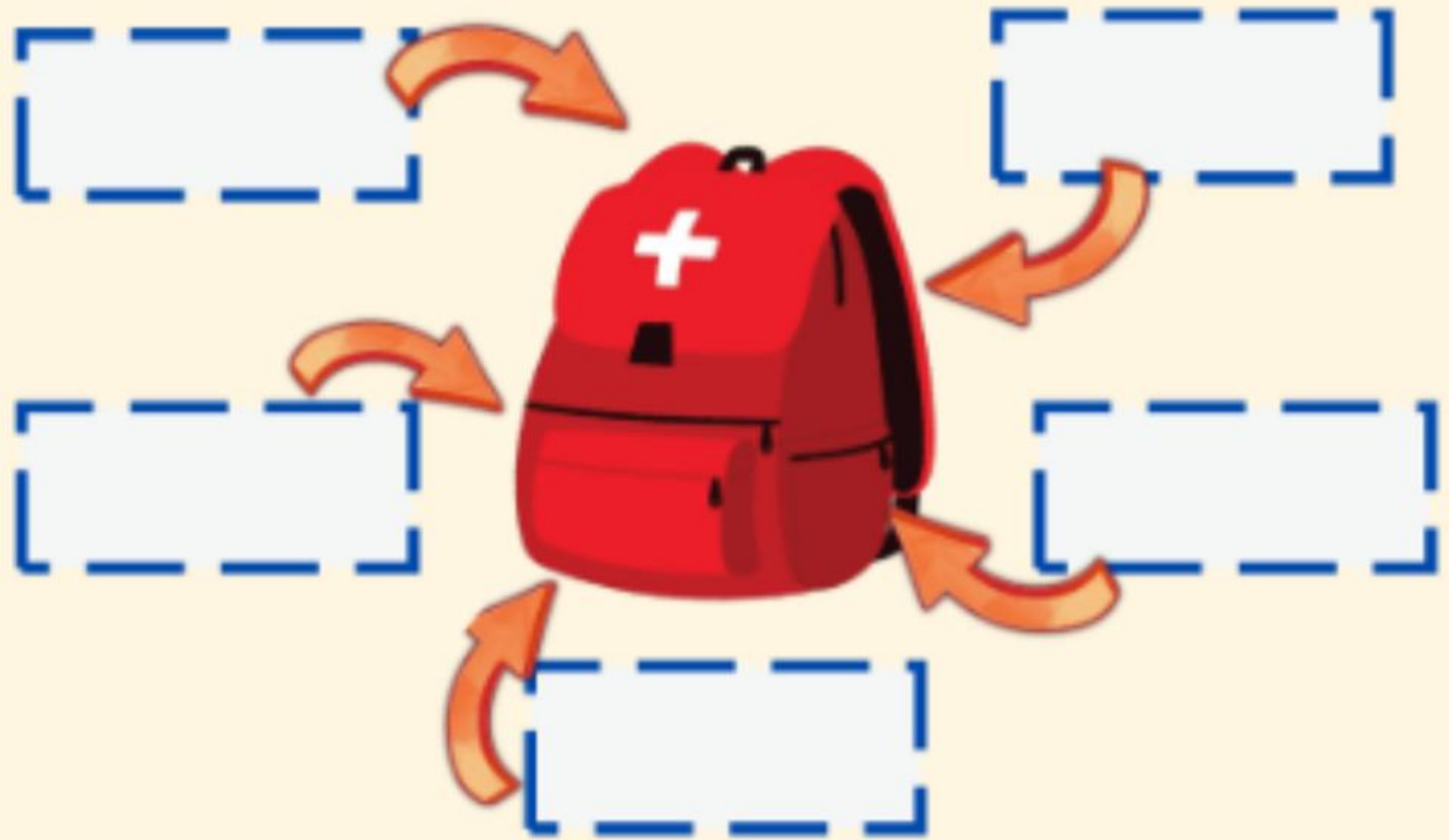
STRATEGY:
COLLABORATIVE *m*
LEARNING



ACTIVITY: GO BACKPACK
DISCUSSION

Task Prompt:

- The teacher will group the class into 4 groups.**
- Students will discuss and list essential items for a "go backpack" in case of an earthquake.**



Share with the class:

- What are the most important 3 things to pack?**
- Why prepare before a disaster?**
- Why is it important to have a go backpack ready before an earthquake?**

Water & Hydration

Easy open / ready-to-eat Food

Extra Clothes, blanket, towel

First Aid Kit

Battery-powered or hand-crank radio

Personal Hygiene & Sanitation
(Toothbrush, toothpaste, toilet paper, plastic wastes)

Flashlight, Whistle

IDs and important documents

Other essentials: Baby formula, Pet supply, Local Maps, Spare keys



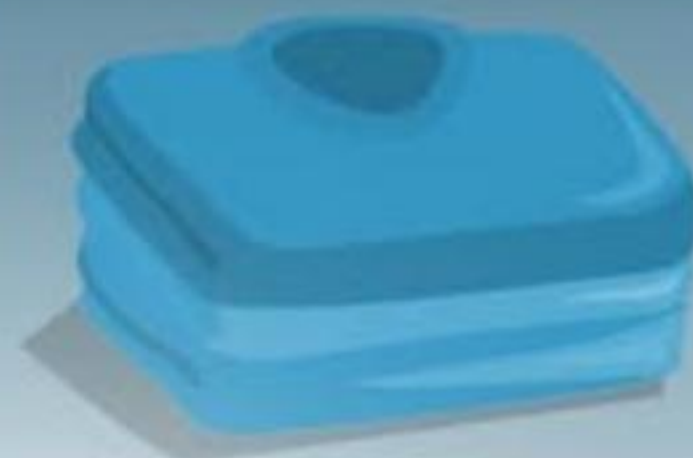
Image: Flat Semi-Outlined Emergency Backpack
by Chelsea Gonzales from sketchify / canva

EMERGENCY GO BAG



FIRST AID KIT

Band-aid, alcohol, medicines, paracetamol, ointment, betadine, sterile gauze, medical tape



CLOTHING

Clothes (good for 2-3 days), slippers, blankets, jackets, underwear



FOOD

Bottled water, canned goods, biscuits, eating utensils



TECH EQUIPMENT

Flashlight, powerbank, extra batteries, extension cord, charger



IDENTIFICATION

ID and important documents



TOILETRIES

Soap, shampoo, toothbrush, toothpaste, tissue paper

MANTRA



LAGING TANDAAN, LIGTAS ANG MAY ALAM

*Dahil tayo ay Dabawenyo,
tayo ay DC-PLINADO at
dapat DC-PLANADO!*



STRATEGY:

COLLABORATIVE LEARNING

ACTIVITY: DISASTER

READINESS PLAN ROLE

PLAY

**LOCAL EARTHQUAKE
DISASTER
READINESS PLAN OF
DAVAO CITY**

EARLY WARNING SYSTEM (MHEWS)

Multi-Hazard Early
Warning System

MHEWS helps by:

- **Sending SMS alerts and advisories**
- **Providing real-time updates to barangays**

matinding pag-ulan, pagbaha at pagguho ng lupa.

Sun, Apr 23 at 18:33

NDRRMC: (5:42PM, 23Apr23)
Isang Magnitude 5.6 na lindol ang naganap sa Maconacon, Isabela kaninang 5:19PM. Aftershocks ay inaasahan.

Thu, May 4 at 10:55

NDRRMC: (09:10AM, 04May23)
Isang Magnitude 5.8 na lindol ang naganap sa Maconacon, Isabela kaninang 09:10AM. Aftershocks ay

- Sharing information about aftershocks
- Improving communication between the LGU and communities

**AGENCIES
RESPONSIBLE FOR
EARTHQUAKE
PREPAREDNESS**

**DAVAO CITY DISASTER
RISK REDUCTION AND
MANAGEMENT OFFICE
(CDRRMO)**

ANG **ANDAM** NGA DABAWENYO **LUWAS** NGA DABAWENYO



Davao City Disaster Risk Reduction
and Management Office



cdrrmo@davaocity.gov.ph



FOR EMERGENCIES,
DIAL 911 ONLY

Davao City DRRMO Hotlines

Smart: (0968) 571 7235

(082) 285 8984



Davao City Disaster Risk Reduction and Management Office

303K followers • 62 following

- Leads disaster preparedness, rescue, and relief operations.



CDRRMO EMERGENCY OPCEN TO RISE IN MAA

In line with the City Government of Davao's efforts to further strengthen the city's disaster preparedness, response, and resilience, a two-storey motorpool facility is set to rise in Barangay Maa as part of the City Disaster Risk Reduction and Management Office (CDRRMO) Emergency Operation Center.



CITY
GOVERNMENT OF
DAVAO

**IMPLEMENTS
DISASTER RISK
REDUCTION PROGRAMS
AND LOCAL POLICIES.**

PHIVOLCS

**Philippine Institute
of Volcanology and
Seismology**



Department of Science and Technology

PHIVOLCS

Philippine Institute of Volcanology and Seismology

Monitors earthquakes,
studies seismic hazards,
and provides hazard
maps and technical
guidance.

**BEFORE AN
EARTHQUAKE
(PREPAREDNESS)**

- **Conducting earthquake drills in schools, offices, and barangays**

- **Inspecting
buildings for
structural safety**

- **Inspecting buildings for
Promoting hazard
awareness through
seminars and public
advisories structural safety**

- **Encouraging families to prepare emergency go-bags.**

**WHAT
HOUSEHOLDS
SHOULD DO:**

- **Secure heavy furniture and appliances**
- **Prepare an emergency kit (water, food, flashlight, first aid kit, radio)**

- **Identify safe spots inside the house (under sturdy tables, beside interior walls).**
- **Know evacuation routes and emergency contacts.**

**DURING AN
EARTHQUAKE
(RESPONSE)**



- *Drop* to the ground
- *Cover* your head and neck under sturdy furniture
- *Hold On* until the shaking stops

Additional safety tips:

- **Stay away from windows and glass**
- **Do not use elevators**

- **If outdoors, move to an open area away from buildings and power lines**

**AFTER AN
EARTHQUAKE
(RECOVERY)**

- **Check yourself and others for injuries**
- **Expect aftershocks**
- **Avoid damaged buildings**

- **Listen to official announcements from authorities**
- **Report emergencies to local disaster offices**

**TASK PROMPT:
STUDENTS WILL REMAIN IN
THEIR GROUP.
EACH GROUP WILL HAVE A
ROLE PLAY ABOUT
EARTQUAKE
PREPAREDNESS SUCH AS.**

TASK PROMPT::

- STUDENTS WILL REMAIN IN THEIR GROUP.**
- EACH GROUP WILL HAVE A ROLEPLAYING ABOUT EARTHQUAKE PREPAREDNESS.**

Such as:

- **What to do before an earthquake?**
- **What to do during an earthquake?**
- **What to do after an earthquake?**

Criteria	4 - Excellent	3 - Good	2 - Developing	1 - Beginning	Points
Understanding of the Topic	Shows clear and complete understanding of earthquake safety procedures	Shows good understanding with minor mistakes	Shows partial understanding; some important details missing	Shows little understanding of safety procedures	/4
Accuracy of Safety Actions	All safety steps (e.g., Drop, Cover, Hold) are shown correctly	Most safety steps are correct	Some safety steps are incorrect or missing	Safety steps are mostly incorrect	/4
Participation & Teamwork	All members actively participate and cooperate respectfully	Most members participate	Uneven participation	One or two members do most of the work	/4
Communication & Clarity	Speaks clearly, confidently, and can be heard by everyone	Usually clear and understandable	Sometimes unclear or too soft	Hard to hear or understand	/4
Creativity & Effort	Scenario is realistic, organized, and shows strong effort	Shows effort and is mostly organized	Limited creativity or preparation	Little preparation or effort shown	/4



GENERALIZATION

- What are key components of local disaster plans?

- How does "Drop, Cover, Hold On" protect you?

- Why does following the plan build confidence?

**FORMATIVE
ASSESSMENT:
ESSAY**

Direction: Answer the following questions based on the lesson.

Rubric:

- 2 points- the response is relevant and realistic
- 1 point- the response is irrelevant and somehow realistic
- 0 point- no response is give; the response is irrelevant and unrealistic.

1. What is the standard safety action during an earthquake?

2. Name one essential item to include in a go backpack and explain its importance?

3. Which government office in Davao City leads disaster preparedness programs, including drills and emergency response?

4. What early warning system in the Philippines helps communities, including Davao City, respond quickly to earthquakes and other hazards?

5. Which agency provides hazard maps and monitors seismic activity to help guide disaster planning in Davao City?

6. During an earthquake, should you run outside immediately?

7. After an earthquake, what should you do first?

8. Why is following
the disaster plan
important?

9. Who develops
local disaster
readiness plans?

