

 GRADES 1 to 12 DAILY LESSON LOG	School:		Grade Level:	
	Teacher:	Depedtrends.com	Learning Area:	
	Teaching Dates and Time:		Quarter:	

I. OBJECTIVES	
A. Content Standards	The learners demonstrate an understanding of the particle nature of matter as basis for explaining properties, physical changes, and structure of substances and mixtures
B. Performance Standards	The learners shall be able to present how water behaves in its different states within the water cycle
C. Learning Competencies Write the LC code for each	The learners should be able to explain the properties of solids, liquids, and gases based on the particle nature (S8MT-IIIa-b-8)
D. Learning Objectives	Identify matter from those of non-matter
II. CONTENT	The Particle Nature of Matter: Elements, Compounds, and Mixtures
III. LEARNING RESOURCES	
A. References	
1. Teacher's Guide pages	
2. Learner's Materials pages	172-173
3. Textbook pages	
4. Additional Materials from Learning Resource (LR) portal	
B. Other Learning Resources	
IV. PROCEDURES	
A. Reviewing previous lesson or presenting the new lesson (2 mins.) elicit	Identify common elements, compounds, mixtures, and their classifications. <i>(Elements: Gas-Hydrogen, Oxygen...; Metals- Gold, Silver...; Non-metals- Calcium, Phosphorous...; Compounds: Carbon dioxide, Water...; Mixtures: Heterogeneous, Homogeneous)</i>
B. Establishing a purpose for the lesson (1 min.) Engage	Arrange the students into groups. Let them assign a position for everyone in the team. Positions must include a leader, assistant leader, and secretary.
C. Presenting examples/ instances of the new lesson Explore (2-5 mins.)	Let the students identify examples of solid, liquid, and gas matter. Question: How can you distinguish one matter from another? <i>(According to its physical and/or chemical properties)</i>
D. Discussing new concepts and practicing new skills #1 Explain (15 mins.)	Present objective and instruction for Activity 1, p.172 of Learner's Module.
E. Discussing new concepts and practicing new skills#2 (10 mins.)	Group Activity: Let the students perform Activity 1 (LM p. 172). Fill-up Table 1 in ¼ manila paper. Identify which is matter (LM p. 172) and answer Question 1 to 5 (LM p. 173) of Activity 1.

F. Developing mastery
(Leads to Formative Assessment 3)
(12 mins.)
Elaborate

Let the groups post their answer on the board on determining which is matter and which is not in Table 1. (Determine correct answer in the table)

Table 1. Identifying which is matter

Sample	Is the sample matter?			Reason for your answer
	Yes	No	Not sure	
sugar granules	✓			
water	✓			
stone	✓			
air inside ball	✓			
leaves	✓			
smoke	✓			
heat		✓		
light		✓		

Answers to Questions

- Q1. The mass of the first 6 samples (sugar granules, water, stone, air inside ball, leaves, smoke) can be measured.
- Q2. The mass of heat and light cannot be measured.
- Q3. Not all of the samples occupy space.
- Q4. If collected in a container and covered afterwards, it will be observed that smoke occupies space and its mass can be obtained.
- Q5. No, heat and light do not have mass. They do not occupy space because these are not matter. Heat is energy in transit and light is a form of energy.

G. Finding practical applications of concepts and skills in daily living
(3 mins.)

What is your basis in determining the object as matter or non-matter? What makes matter different from non-matter?

H. Making generalizations and abstractions about the lesson
(3 mins)

If smoke is a matter, what would happen if it is inhaled?
(It occupy space in the lungs; and would increase the lungs' volume and mass)
 What if air is polluted?
(It would cause irritation in the lungs and further diseases)
 Reference: <http://www.sparetheair.com/health.cfm>

I. Evaluating learning
(8 mins)

Identify if the following is a matter or non-matter?

1. Smoke	<i>Answer: Matter</i>
2. Electricity	<i>Non-matter</i>
3. Juice	<i>Matter</i>
4. Chocolate	<i>Matter</i>

J. Additional activities for application or remediation
(1 min)

Groups will present answers in Question 1 to 5 of the activity on the next session.

V. REMARKS

VI. REFLECTION

- A. No .of learners who earned 80% on the formative assessment
- B. No. of learners who require additional activities for remediation.
- C. Did the remedial lessons work? No. of learners who have caught up with the lesson.
- D. No .of learners who continue to require remediation
- E. Which of my teaching strategies worked well? Why did these work?
- F. What difficulties did I encounter which my principal or supervisor can help me solve?
- G. What innovation or localized materials did I use/discover which I wish to share with other teachers?

Prepared by:

Teacher

Checked by

School Head

Observed by:
