

St. Joseph College of Teacher Education for Women Ernakulam



CRITERION II

2.4.5 Adequate skills are developed in students for effective use of ICT for teaching learning process

(Developing assessment tools for both online and offline learning)

Submitted to

National Assessment and Accreditation Council (NAAC)

3rd Cycle of Assessment



ST.JOSEPH COLLEGE OF TEACHER EDUCATION FOR WOMEN ERNAKULAM KOCHI-682035, KERALA

2.4.5 Developing Assessment Tools for both Online and Offline Learning

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| | Digital Self-Assessment Tools Created by Students | 3-25 |



ST JOSEPH COLLEGE OF TEACHER EDUCATION FOR WOMEN

Kovilvattom Road, Ernakulam, Kochi, Pin – 682035, Kerala (Affiliated to Mahatma Gandhi University, Kottayam)

Report: Training on Digital Self-Assessment Tool

| Name of the Event | Training on Digital Self-Assessment Tool (Offline) -Rubrics | | |
|-------------------|--|--|--|
| Objectives | To introduce a self-assessment e-tool for high school students. To enhance the learning experience of students through technology. To provide a structured platform for self-assessment and improvement. To promote independent learning and critical thinking. To understand the preparation and application of Digital Check List, Digital Rating Scale, Digital Rubrics | | |
| Resource Person | Reshmi R.K, Science Educator, St. Joseph TTI Ernakulam | | |
| Date | January 4, 2023 | | |
| Time | 1.00-4.30 pm | | |
| Venue | Multi Purpose Hall | | |

The self-assessment e-tool presented by Reshmi R.K is a digital platform designed to empower high school students in evaluating their own progress and enhancing their learning outcomes. Can access resources and assess their own performance, fostering critical thinking and self-reliance.

In today's rapidly evolving educational landscape, the integration of technology has become a pivotal aspect of enhancing the learning experience for high school students. On January 4, 2023, Reshmi R.K, a distinguished Science Educator at St. Joseph Teacher Training Institute in Ernakulam, presented a novel concept – a self-assessment e-tool for high school students. This report aims to provide an overview of this initiative and its objectives.

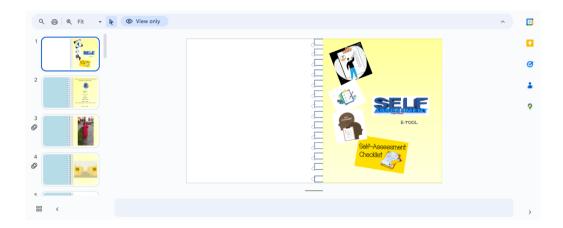
The self-assessment e-tool presented by Reshmi R.K represents a significant advancement in high school education. Its implementation aligns with the objectives of enhancing learning experiences, fostering independent learning, and promoting structured self-assessment. This innovative approach could potentially revolutionize the way high school students engage with their educational content and could serve as a model for similar initiatives in the future. This tool incorporates various features and resources to facilitate self-

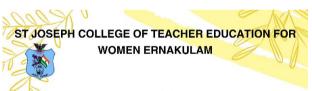


assessment, including check List, Rating Scale, Rubrics as tool progress tracking, and access to learning materials.

Conclusion

As the educational landscape continues to evolve, the importance of technology-driven tools for students' growth cannot be understated. The self-assessment e-tool is a valuable addition to this landscape, and its successful implementation has the potential to positively impact the educational journey of high school students.



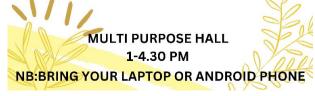


TRAINING ON DIGITAL SELF ASSESSMENT TOOLS 4/1/2023

RESOURCE PERSON



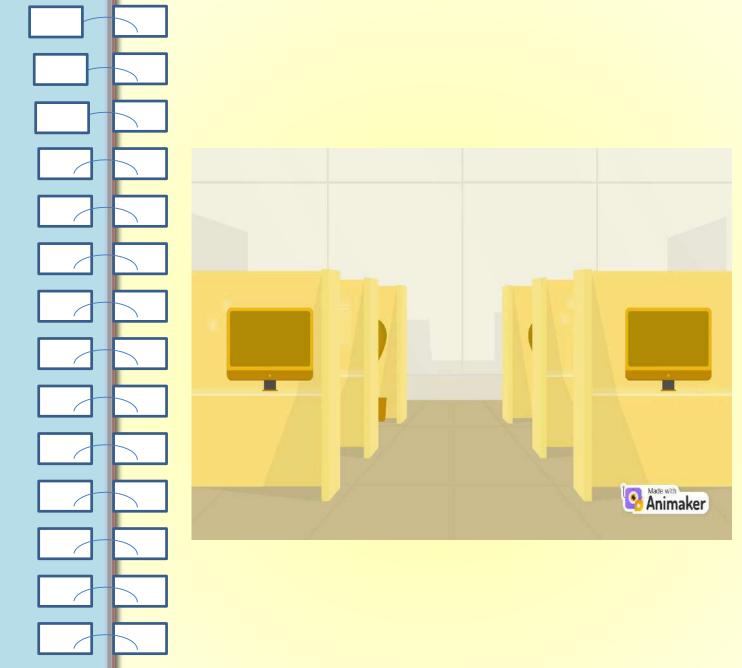
RESHMI R.K SCIENCE EDUCATOR ST.JOSEPH TTI









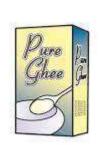


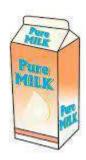


CHEMISTRY IX





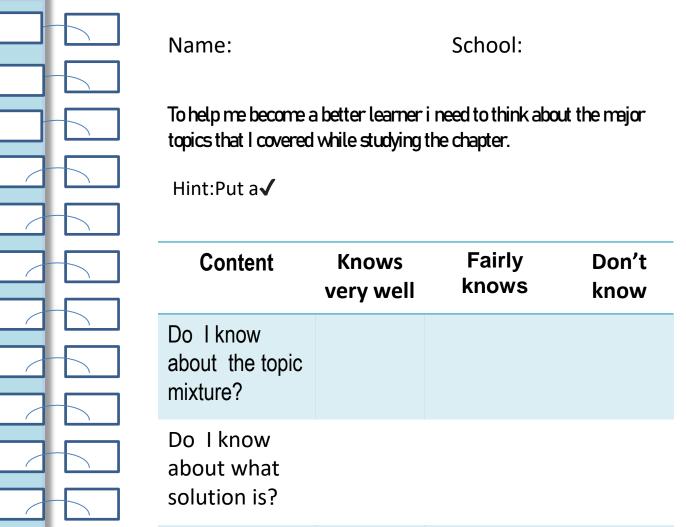


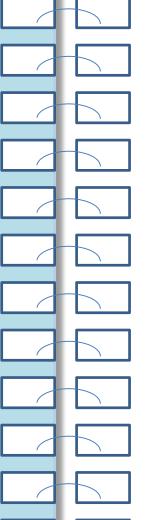




1.STUDENT SELFASSESSMENT **CHECKLIST**





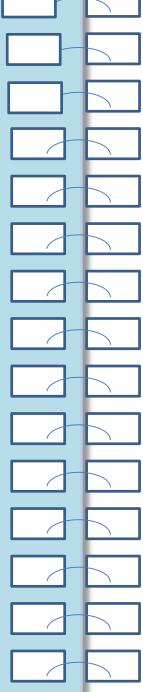


And about

suspension?



1. STUDENT SELF ASSESSMENT RUERICS



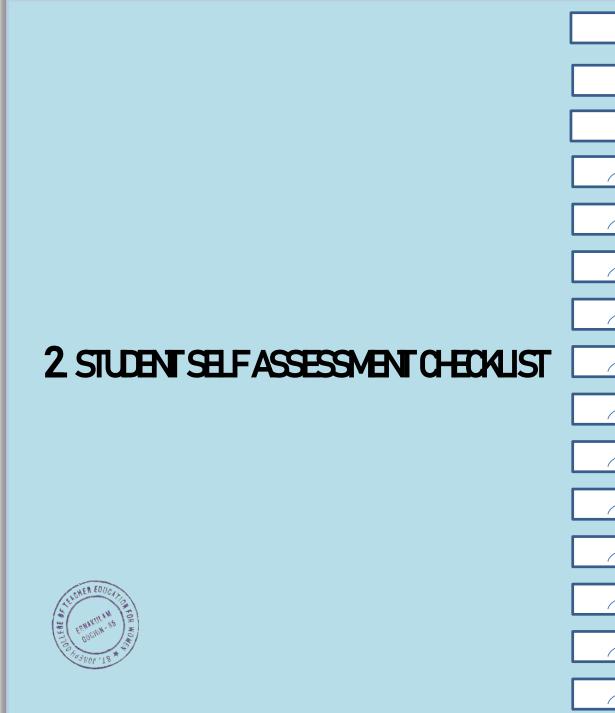
| ТОРІС | UNSATISFCT ORY | NEED DEVELOPME NT | SATISFACTOR Y | EXCELLENT |
|--------------------------|--|--|--|---|
| Types of mixtures | I can neither explain nor found any examples about the types of mixtures | I can understand about the types of mixtures.but I can neither understand nor found out any examples. | I can explain but I cannot found more examples based on it | I can explain and found out examples based on the types of mixtures |
| Properties of solution | I can neither understand nor found out that it is a homogeniou s mixture cannot be separated by the process of filtration. | I can understand that it is a homogenious mixture but I neither understand nor found out that it cannot be separated by the process of filtration. | I can understand that it is a homogenious mixture but I cannot found out more separation processes. | I can understand that solution is a homogenious mixture&cannot be see with the naked eyes. And it cannot be separated by the process of filtration. |
| Properties of suspension | I can neither understand nor found out that it is a heterogenio us mixture& can be separated by the process of filtration | I can understand that it is a heterogeniou s mixture but I neither understand nor found out that it can be separated by the process of filtration | I can understand that it is a heterogenious mixture but I cannot found out more separation processes | I can understand that solution is a heterogenious mixture&can be see with the naked eyes. And it can be separated by the process of filtration. |



TRY TO RATE YOURSELF USING RATING SCALE. 2 3 5 Knowledge about mixtures & its properties. Knowledge about solution & its properties. Knowledge about suspension & its properties. 1- very satisfied 2- satisfied 3-neutral 4- dissatisfied 5- very dissatisfied

1. STUDENT SELFASSESSMENT RATING SCALE



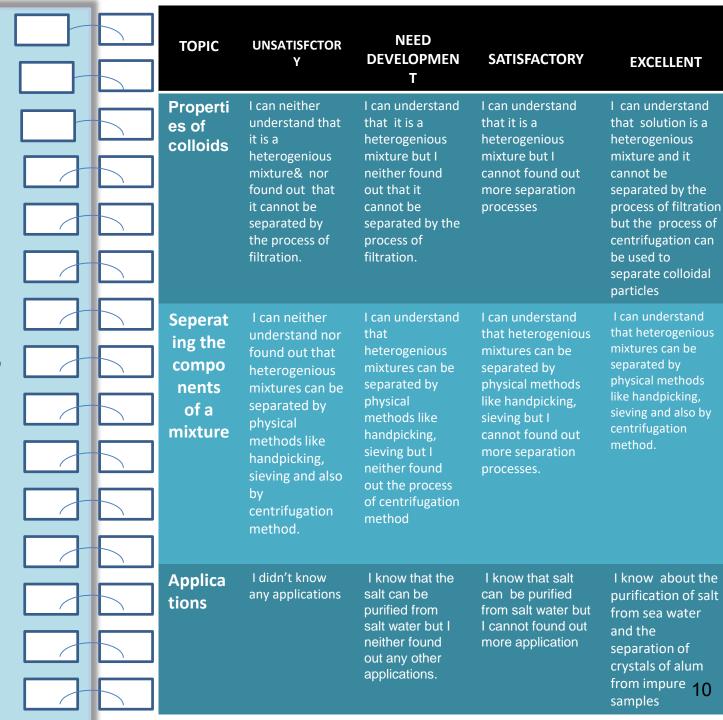


Name: School:

To help me become a better learner i need to think about the major topics that I covered while studying the chapter.

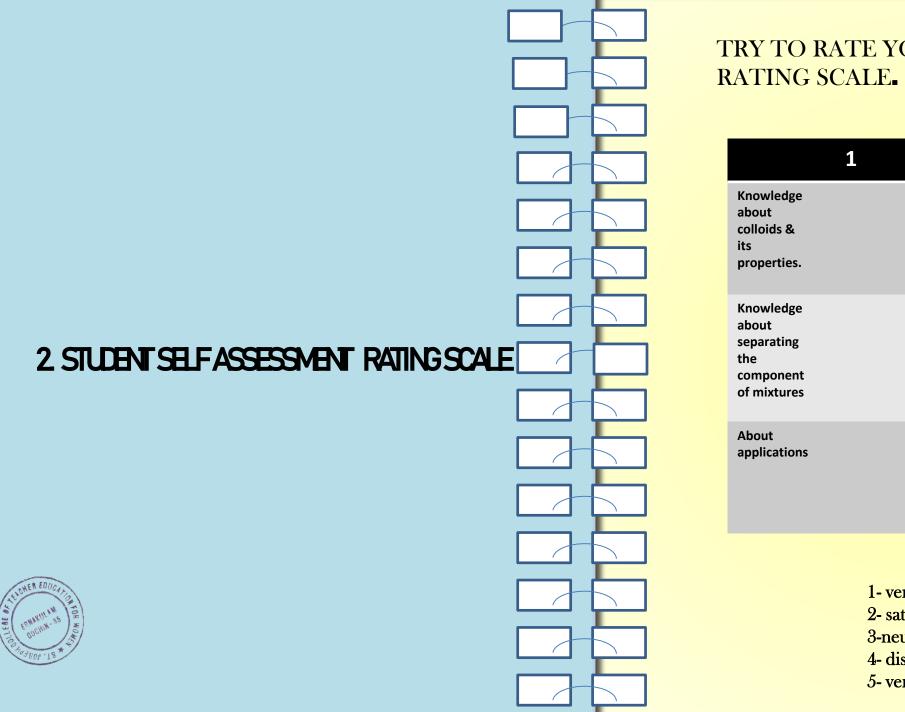
Hint:Put a**√**

| Content | Knows very well | Fairly knows | Don't know |
|--|--------------------|--------------|---------------|
| Do I know about the topic colloids? | | | |
| Do I know about techniques of separations? | | | |
| And about their applications? | | | |

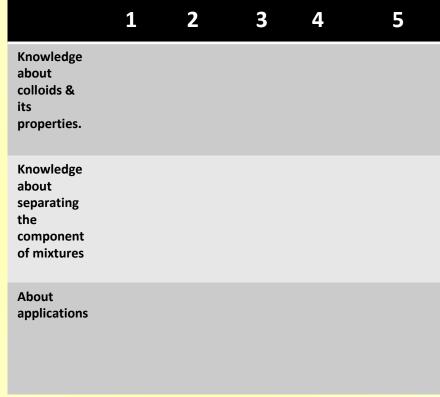








TRY TO RATE YOURSELF USING



- 1- very satisfied
- 2- satisfied
- 3-neutral
- 4- dissatisfied
- 5- very dissatisfied

3.STUDENT SELF ASSESSMENT CHECKLIST



Name: School:

To help me become a better learner i need to think about the major topics that I covered while studying the chapter.

Hint:Put a**√**

compound is?

| Content | Knows very well | Fairly knows | Don't know |
|---|--------------------|--------------|---------------|
| Do I know about the topic Physical and chemical changes | | | |
| Do I know about what element is? | | | |
| And about what | | | |

NEED UNSATISFCTOR **TOPIC DEVELOPME SATISFACTOR EXCELLENT** NT I can I can explain but I can explain and Physical and I can neither explain nor understand I cannot found found out chemical found any about the more examples examples based on changes examples about physical and based on it the physical and the physical and chemical chemical changes chemical changes ,but I can neither changes understand nor found out any examples. I can neither I can I can **Elements** I can understand understand understand that understand nor that element is a that element element is a found out that form of matter is a form of form of matter element is a that cannot be but cannot matter, but I form of matter broken down by can neither found that, it and cannot chemical reaction. cannot be understand found out any nor found out broken down by examples. any examples. chemical reaction I can neither I can understand Compounds I can I can understand nor understand understand that that compound is that composed of two explain that that compound is composed of or more elements the compound compound is is composed of composed of two or more and chemically combined with one two or more elements but two or more elements elements but cannot found another in a fixed I can neither that it is &chemically proportion. combined with found out that chemically one another in a it is chemically combined with fixed combined one another in a with one proportion. fixed another in a proportion. fixed 13 proportion

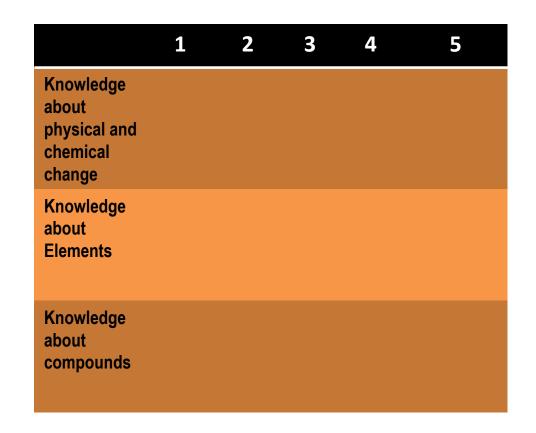




3 STUDENT SELFASSESSMENT RATING SCALE



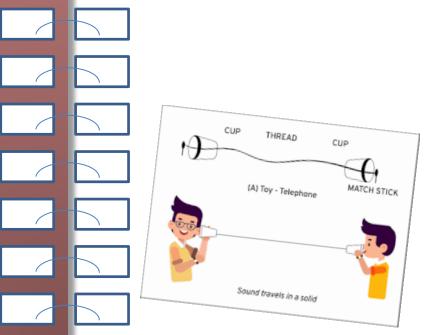
TRY TO RATE YOURSELF USING RATING SCALE.



- 1- very satisfied
- 2- satisfied
- 3-neutral
- 4- dissatisfied
- 5- very dissatisfied









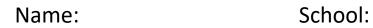
Vibrating tuning f

11111111

-Thread

1.STUDENT SELFASSESSMENT CHECKLIST



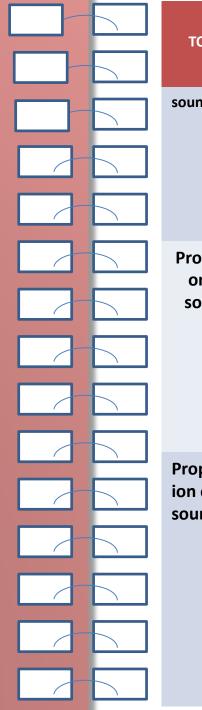


To help me become a better learner i need to think about the major topics that I covered while studying the chapter.

Hint:Put a**√**

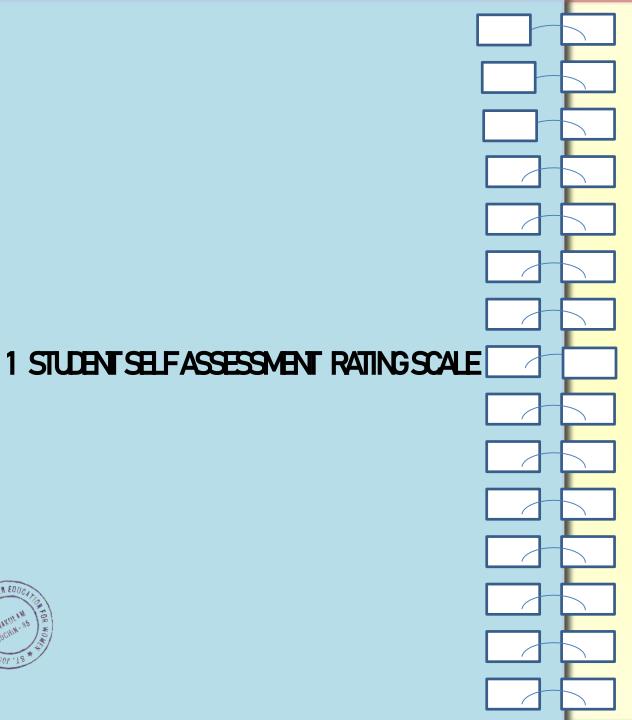
| Content | Knows very well | Fairly knows | Don't know |
|--------------------------------------|--------------------|--------------|---------------|
| Do I know about sound? | | | |
| Do I know about production of sound? | | | |
| And about propagation of sound? | | | |

1. STUDENT SELF ASSESSMENT RUERICS



| TOPIC | UNSATISFCTOR Y | NEED DEVELOPME NT | SATISFACTORY | EXCELLENT |
|-----------------------------|---|---|---|---|
| sound | I can neither explain nor understand about sound. | I can understand about sound, it is a vibration that propagates through a medium but I neither cannot found out the types of sounds | I can understand about sound, it is a vibration that propagates through a medium but I cannot found out the types of sound. | I can explain about sound and its types& understand that sound is vibration that propagates through a medium |
| Producti on of sound | I can neither understand that sound production solely dependent on the waves nor how it collides with other particles. | I can understand that sound production solely dependent on the waves.but i neither cannot found that it depends on the collision with other particles and cannot find out much more examples | I can understand that sound production solely dependent on the waves.but cannot found that it depends on the collision with other particles. | I can understand that sound production solely dependent on the waves and how it collides with other particles and found out examples too. |
| Propagat ion of sound | I can neither understand that sound is propagated by the to and fro motion of particles nor found out the particle in contact with the vibrating object is first displaced from its equilibrium position. | I can understand that sound is propagated by the to and fro motion of particles of the medium.but I neither cannot found out that the particle in contact with the vibrating object is first displaced from its equilibrium position. | I can understand that sound is propagated by the to and fro motion of particles of the medium.but cannot found out that the particle in contact with the vibrating object is first displaced from its equilibrium position. | I can understand that sound is propagated by the to and fro motion of particles of the medium and found out that the particle in contact with the vibrating object is first displaced from its equilibrium position |





TRY TO RATE YOURSELF USING RATING SCALE.

| | 1 | 2 | 3 | 4 | 5 |
|--|---|---|---|---|---|
| Knowledge about sound. | | | | | |
| Knowledge about production of sound | | | | | |
| Knowledge about propagatio n of sound | | | | | |

- 1- very satisfied
- 2- satisfied
- 3-neutral
- 4- dissatisfied
- 5- very dissatisfied



2.STUDENT SELF ASSESSMENT CHECKLIST



Name:

To help me become a better learner i need to think about the major topics that I covered while studying the chapter.

School:

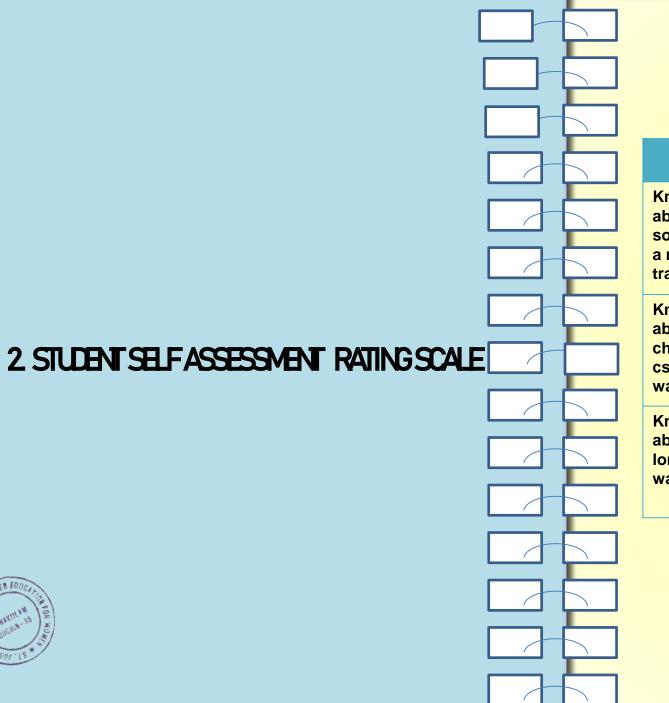
Hint:Put a**√**

| Content | Knows very well | Fairly knows | Don't know |
|---|--------------------|--------------|---------------|
| Do I know that sound needs a medium to travel? | | | |
| Do I know the characteristics of sound wave? | | | |
| Do I know that sound wave is a longitudinal wave? | | | 10 |

NEED UNSATISFCTORY TOPIC **DEVELOPME SATISFACTORY EXCELLENT** NT Sound I can neither understand I can understand I can understand that I can understand nor get an idea that the sound is a mechanical that sound is a that sound is a needs a sounds needs a medium mechanical wave wave and needs only mechanical wave medium to travel. and needs only medium like air, but and needs a medium like cannot found out that medium like air, to travel air,but I can it travels through water, steel etc neither medium like water, understand nor steel etc. found out that it travels through medium like water, steel etc. I can neither I can understand I can understand that I can understand Charact that the understand nor found the characteristics of that the eristics characteristics of out that the frequency, sound wave are only characteristics of sound wave are amplitude and speed amplitude and speed, sound wave are of only amplitude and are the characteristics of but cannot found that frequency, speed, but I can sound it depends on the amplitude and sound wave. neither understand speed. frequency. nor cannot found waves that it depends on the frequency I can neither understand I can understand I can understand that I can understand Sound that longitudinal waves that longitudinal longitudinal waves are that longitudinal waves are waves in which the waves are waves waves in which the waves are waves vibration of the medium in which the vibration of the in which the are is parallel to the vibration of the medium is parallel to vibration of the longitu direction the wave medium is the direction the wave medium is travels nor found out parallel to the travels but cannot parallel to the dinal that the displacement of direction the found out that the direction the waves the medium is in the wave travels but displacement of the wave travels and same direction of the can neither medium is in the same displacement of understand nor direction of the wave the medium is in wave propagation. found out that propagation the same the displacement direction of the of the medium is wave in the same propagation. direction of the wave 20 propagation

2 STUDENT SELFASSESSMENT RUERICS





TRY TO RATE YOURSELF USING RATING SCALE.

| | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| Knowledge about that sound needs a medium to travel | | | | | |
| Knowledge about characteristi cs of sound wave | | | | | |
| Knowlegde about longitudinal wave | | | | | |

- 1- very satisfied
- 2- satisfied
- 3-neutral
- 4- dissatisfied
- 5- very dissatisfied



3.STUDENT SELFASSESSMENT CHECKLIST



Name:

School:

To help me become a better learner i need to think about the major topics that I covered while studying the chapter.

Hint:Put a**√**

| Content | Knows very well | Fairly knows | Don't know |
|--|--------------------|--------------|---------------|
| Do I know about the reflection of sound? | | | |
| Do I know about echo? | | | |
| And about the range of hearing? | | | |

3. STUDENT SELF ASSESSMENT RUBRICS

| | TOPIC | UNSATISFCTORY | NEED DEVELOPMENT | SATISFACTORY | EXCELLENT |
|--|----------------------------|---|---|--|--|
| | Reflecti on of sound | I can neither explain nor understand about the reflection of sound. | I can explain and understand about the reflection of sound and it follows the same laws of reflection but I neither cannot found out nor | I can explain and understand about the reflection of sound and it follows the same laws of reflection, but I cannot found out the obstacles which is | I can explain and understand about the reflection of sound and it follows the same laws of reflection, an obstacle of large size which may be |
| | | | understand the obstacles needed for the reflection of sound waves. | needed for the reflection of sound waves | polished or rough is needed for the reflection of sound waves |
| | Echo | I can neither understand that echoes are sounds caused by the reflection of sound waves from a surface back to the listener and nor found out any examples. | I can understand that echoes are sounds caused by the reflection of sound waves from a surface back to the listener but I neither understand nor found out any examples. | I can understand that echoes are sounds caused by the reflection of sound waves from a surface back to the listener and but cannot found out much more examples | I can understand that echoes are sounds caused by the reflection of sound waves from a surface back to the listener and got examples too. |
| | Range of hearing | I can neither know the audible range of hearing for human beings, children under the age of five and nor some animals like rhinoceroses, whales elephant and some insects like moth | I can understand the audible range of hearing for human beings, children under the age of five but I can neither know or understand the the audible range of some animals like rhinoceroses, | I can understand the audible range of hearing for human beings, children under the age of five but I cannot get the audible range of some animals like rhinoceroses, whales elephant and some insects like moth. | I can understand the audible range of hearing for human beings, children under the age of five and some animals like rhinoceroses, whales elephant and some insects like moth. |
| | | | whales elephant and some insects like moth | | 23 |



