Reshmi Educational and Charitable Trust ®

Sri Murugha Rajendra Swamiji B.Ed and M.Ed College

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Assessment is always considered as a key component in the process of teaching and learning. A major role is being played by ICT in making the process of assessment easy for teachers.

Assessment is basically used to get an insight into a student's current knowledge. Current knowledge indicates that the student's knowledge base is always changing and judgments about a student's current knowledge will have to be made over a time interval. Assessment serves a variety of purposes for teachers, students, administrators, other school personnel, family members, policy-makers, business leaders, community members, and other establishments of higher education. Assessment is that process which is used for recognizing, collecting and understanding information about the leaning of students. Assessment includes using varied variety of techniques and tools to assess, measure students' learning. Assessment has a lot of importance to improve the learning of the students in class. The teacher sets direction for improving the ongoing teaching learning process.

ICT IN ASSESSMENT Technology is supposed to play an effective and efficient role in assessment. The technology in modern times has reshaped the teaching learning process as it offers various tools that can be used in the classroom to enhance the learning to a great extent. Technology has the ability to support teachers by assessing students' learning in terms of their performance in the classroom. The use of ICT in assessment is now common where it utilizes digital devices which help in the easy construction of assessment tasks for students. It helps in delivery of assessment tasks. Not only construction or delivery, the ICT has the ability to give grades or feedback to students. It is essential for schools to encourage themselves to strengthen their commitment to developing a better assessment practice which can support teachers, students and other stakeholders.

An online examination system has plenty of advantages:

1. It saves paper.

You never have to print an exam for your students and hand them out. Saves paper. Saves trees. Everybody happy.

2. It saves time.

You can setup an exam in such a way that it will auto-grade itself. If you only use multiple

choice questions you never have to check an exam again. The online exam system will take care of that hassle. Completely automated.

3. It saves more time.

The distribution of the exam doesn't take you any time. Just upload the email addresses of your students and send them an invite. And after the exam they get their result instantly.

4. It saves you money.

You don't need to buy any paper. Sending an email is free. On top of that you save on the logistics: your students don't have to assemble in classroom to take the exam.

They can do it within a given time frame from their own device. You don't have to rent a classroom. You don't have to hire someone to check the students taking the exam.

5. It saves the student money.

Students don't have to travel to a specific location to conduct the exam. So even for students from remote area's it's possible to take the exam.

6. It's more secure.

You can make a big question bank with a lot of questions. Every student gets a random selection from that question bank. So it's of little use to share the questions among the exam takers to give them a head start. Try that on paper;)

And now for the disadvantages:

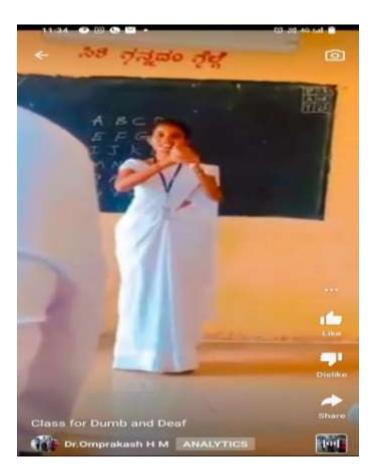
- 1. You have to keep in mind that your students will take the exam on their own device in their own time with nobody to check up on them, so you have to alter your questions to provide for this situation. You have to ask questions which are not easily to be retrieved from books or the internet. Or you can add a timer to each question so there is no time to search for the answer.
- 2. Open text questions are possible, but they don't auto-grade, so you have to check themyourself.
- 3. An online exam system is a little bit more susceptible for fraud. So you have to keep that in mind if you setup your exam. Do you want to share the results immediately after the result? In that case you can setup a question bank to solve the issue of fraud. Handing out all questions & Answers of a question bank to students is ok. Because they have to learn all the questions & answers by heart. And when they're done they master the material.



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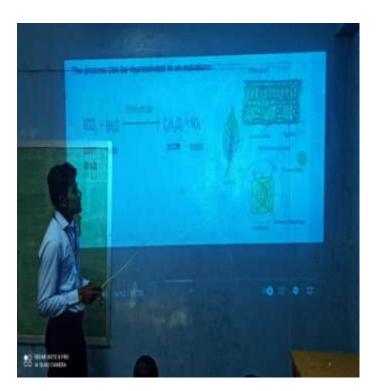
SAMPLE EVIDENCE SHOWING THE TASKS CARRIED OUT FOR EACH OF THE SELECTED RESPONSE

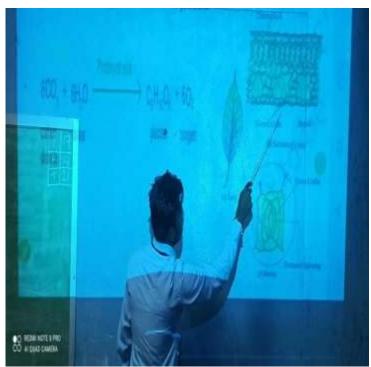


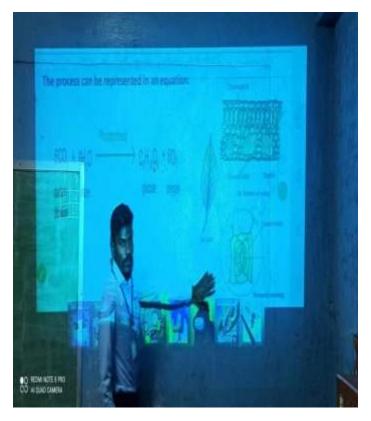




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Links:

https://www.youtube.com/watch?v=VpSMvofCfp4&t=26s

https://www.youtube.com/watch?v=yspeykupXoE&t=10s

https://www.youtube.com/watch?v=nnARh6-IP9k

https://www.youtube.com/watch?v=92sKCwU4bvM

https://www.youtube.com/watch?v=YrWfwW4o9Ps

https://www.youtube.com/watch?v=5p 7zvTiyZc

https://www.youtube.com/watch?v=z2bunzqpKWE

https://www.youtube.com/watch?v=OHd8bXqqsTs

https://www.youtube.com/watch?v=9jYO_1dW4eA



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Shri Murugha Rajendra Swamiji

B.Ed and M.Ed College, Kalaburagi

Name of the student teacher : Manjunath Yadave

Reg.No. : U04HT21E0015

Subject : Chemistry

Class : 9th

Section : 'A'

Period : III

Unit name : Introduction of Periodic Table

Sub unit name : Arrangement of Elements in PT (Conti.....)

Duration : 45 min.

Date : 28-12-2022

Digital Lesson Plan No. : 2



Guided and Supervised by Dr. Rajashekhar Shirvalkar

GENERAL INSTRUCTIONAL OBJECTIVES

Students enables to develop,

- > Knowledge about periodic table
- > Understand the concept groups and periods
- > Skill of identifying elements.
- > Scientific attitude





SPECIFIC INSTRUCTIONAL OBJECTIVES

In the end of the lesson student able to,

- Recognise the symbols of elements.
- Explain the arrangement of elements in PT.
- Analyse the groups and periods.
- Recall the characteristics of groups and periods.





MATERIAL RESOURCE USED FOR LESSON

- **LAPTOP**
- > OHP PROJECTOR
- > MICROSOFT POWERPOINT
- > TEXT BOOKS
- URL OF GOOGLE IMAGES





INTRODUCTION

We have discussed in previous class about the periodic table.

- 1. What is periodic table?
- 2. What is group?
- 3. What is period?
- 4. What is called IA group elements?
- 5. What is called IIA group elements?
- 6. How metals and non metals are classified in the PT?





TODAY WE WILL DISCUSS ABOUT

- 1. Group-1A: Alkali metals
- 2. Group-2A: Alkaline earth metals
- 3. Transition metals
- 4. Metalloids
- 5. Non-metals
- 6. Halogens

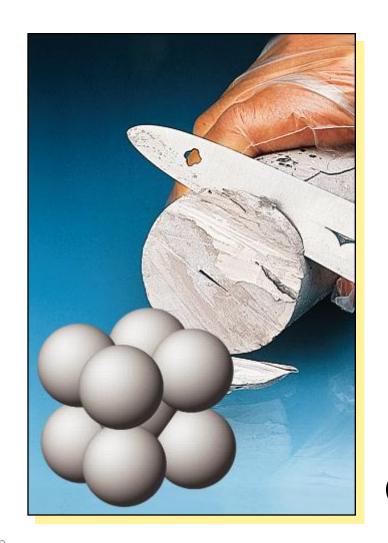








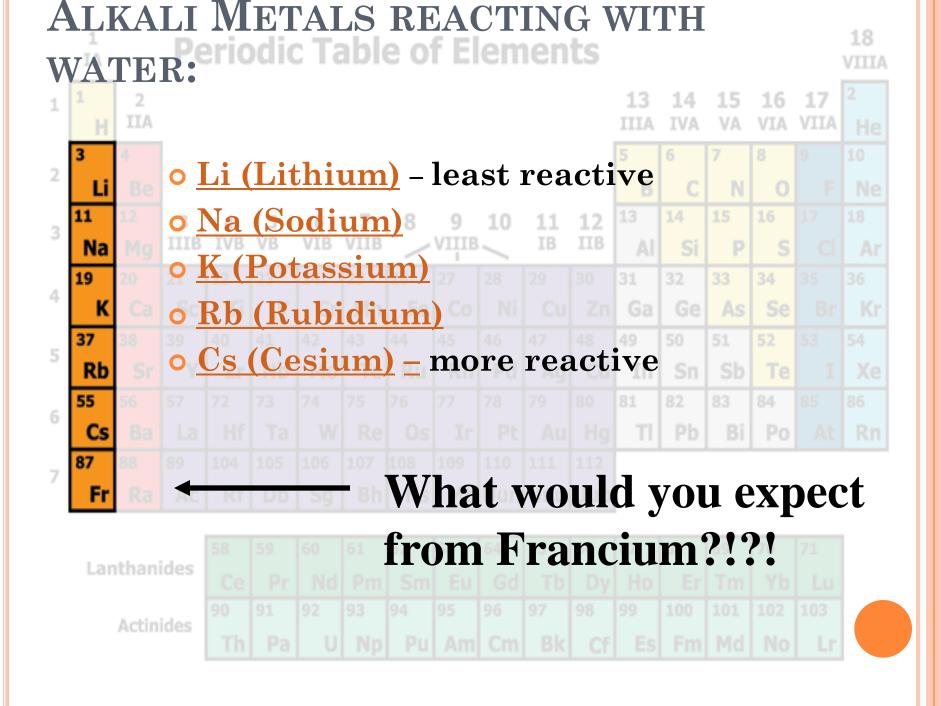
GROUP 1A: ALKALI METALS



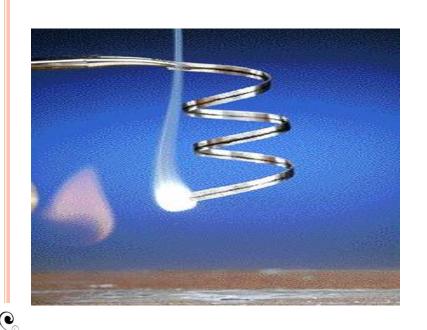


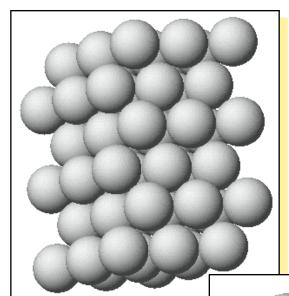
Reaction of potassium + H₂O

Cutting sodium metal



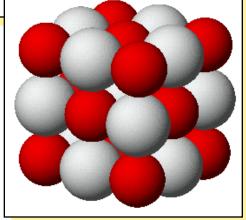
Group 2A: Alkaline Earth Metals





Magnesium

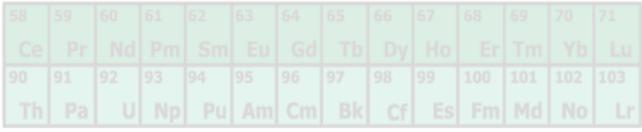
Magnesium oxide



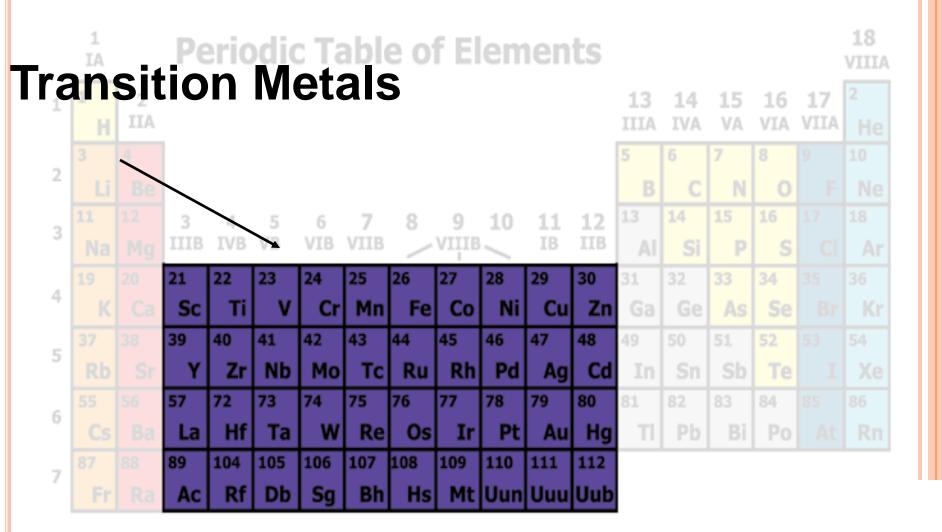


Lanthanides

Actinides







Most are good conductors of electricity

Malleable (easily bent/hammered into wires or sheets)

HOW MANY THINGS CAN YOU THINK OF THAT HAVE TRANSITION METALS IN THEM?















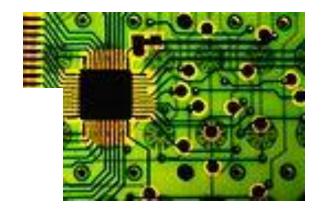
Metalloids lie on either side of the "staircase"

They share properties with both metals and non-metals

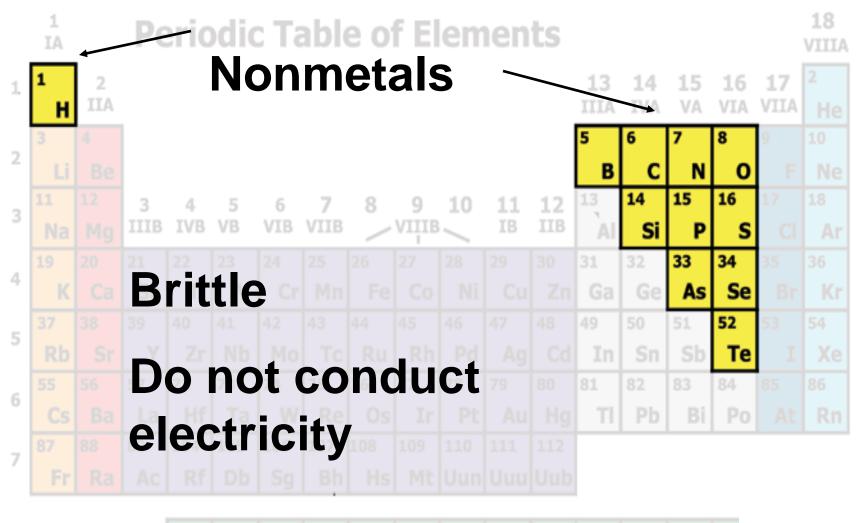
Ga

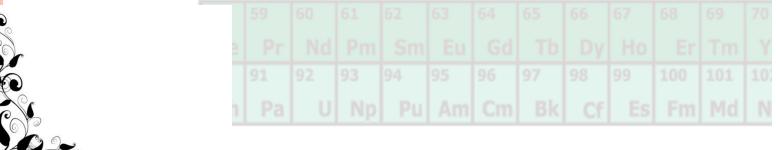
Si (Silicon) and Ge (Germanium) are very important "semi-conductors"



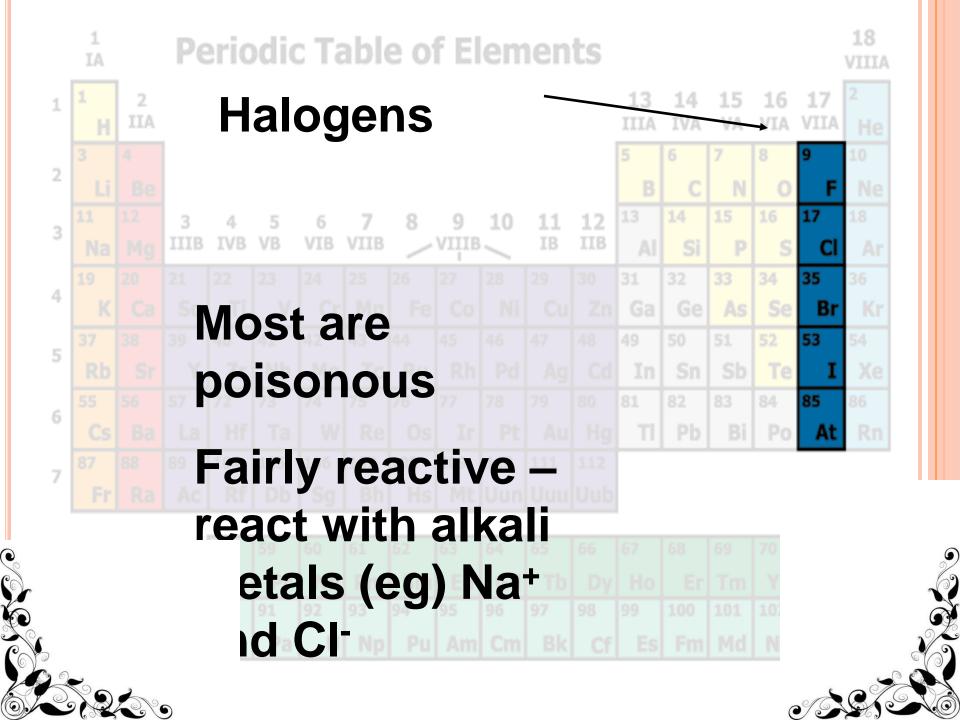












RECAPITULATION

What are the alkali metals?
What are the alkaline metals?
What are transition metals
What are Halogens?
What are the characteristics of Halogens?





EVALUATION

- 1. Very reactive metal
- 2. Halogen
- 3. Transition metal
- 4. Metalloid
- 5. Alkaline earth metal

- a) Aluminum
- b) Manganese
- c) Sodium
- d) Magnesium
- e) lodine

ANSWER:

1) c 2) e 3) b 4) a

5) d





HOME WORK

Download and watch videos on properties of elements like

- 1. Alkali metals
- 2. Alkaline earth metals
- 3. Transition metals
- 4. Halogens



