

Get to Know the Elements! Activity

TEACHER NOTES

This Get to Know the Elements Periodic Table in Pictures Scavenger Hunt worksheet goes with the beautifully illustrated Periodic Table at <http://elements.wlonk.com>. I wanted a way to incorporate this gorgeous table into my introductory chemistry unit, so I made this worksheet! {I cannot include the table in the resource due to Terms of Use but the artist's work is incredible and it's a wonderful resource for students!}

This activity gives the students the chance to study the table, learn which everyday items contain which elements, and notice certain characteristics like which elements are found in the human body, which are found in the Earth's crust, which are magnetic, which are radioactive, and more!

I print a colored class-set of the table front/back (there is more information on the back of the squares), and a worksheet for each student. The students enjoy looking at the pictures and seeing the elements in a "fresher" way! You could also have your students simply go to the website where the table is located and use this activity more like a webquest. This could also be used as a filler activity, extra credit, or as sub plans!

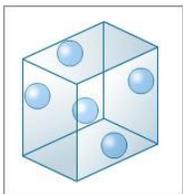
DIGITAL VERSION: I have made a student digital version in Google Slides that you can share with your students via Google Classroom. Click on the link below to Make a Copy of this into your own Drive account! When you make the assignment in Classroom, you can share the link to the Periodic Table in Pictures.



CLICK ON THIS LINK TO ACCESS THE STUDENT PAGES IN GOOGLE!:

<https://bit.ly/3dqsKNg>

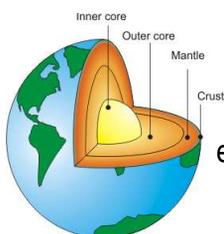
Thank you very much for downloading this freebie! If this resource has met your needs, please consider leaving feedback at TeachersPayTeachers.com or feel free to email me at SunriseScienceTPT@gmail.com with any questions or concerns!



How many elements are gaseous at room temperature? **11**

Where do the gaseous elements tend to be located on the table?

Toward the right side



What are the top eight elements found in the Earth's crust?

1. **oxygen**
2. **sodium**
3. **magnesium**
4. **aluminum**
5. **silicon**
6. **potassium**
7. **calcium**
8. **iron**

What element is used in batteries?

lithium



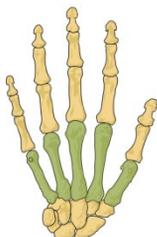
What element is used in making paint?

cadmium



What is a major element found in our bones?

phosphorus



Get to Know the Elements

Use the periodic table in pictures at <http://elements.wlonk.com> to answer the following questions!

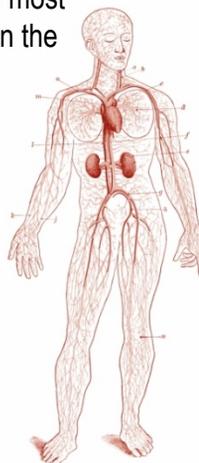
Which elements are magnetic?

1. **iron**
2. **nickel**
3. **cobalt**



What are the top ten most abundant elements in the human body?

1. **hydrogen**
2. **carbon**
3. **nitrogen**
4. **oxygen**
5. **sodium**
6. **phosphorus**
7. **sulfur**
8. **chlorine**
9. **potassium**
10. **calcium**



Where do the elements in the human body tend to be located on the table?

Toward the top

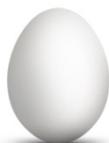
What element is used in bicycles?

scandium



What is a major element found in eggs?

sulfur



What is a major element found in chlorophyll?

magnesium



Which elements are liquid at room temperature?
mercury & bromine

What radioactive element has the lowest atomic number?

Technetium (#43)

How many of the elements are radioactive?

37 (including superheavies)



Where do the radioactive elements tend to be located on the table?

Toward the bottom/actinides



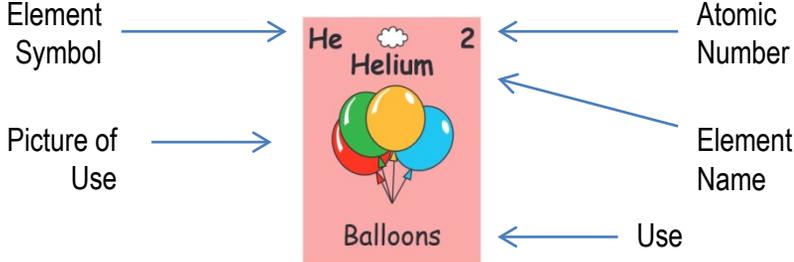
Which elements are considered "Noble Metals"?

1. **ruthenium**
2. **rhodium**
3. **palladium**
4. **silver**
5. **osmium**
6. **iridium**
7. **platinum**
8. **gold**

Where do the Noble Metals tend to be located on the table?

In the center

Use this key to fill in the missing information in the element squares below.



Period: 1
Group: 18
Family: Noble Gases

Ne 10
Neon
Advertising Signs

Period: 2
Group: 18
Family: Noble Gases

Sr 38
Strontium
Fireworks

Period: 5
Group: 2
Family: Alkaline Earth Metals

Hg 80
Mercury
Thermometers

Period: 6
Group: 12
Family: Transition Metals

Cu 29
Copper
Electric Wires

Period: 4
Group: 11
Family: Transition Metals

Ta 73
Tantalum
Mobile Phones

Period: 6
Group: 5
Family: Transition Metals

Pb 82
Lead
Weights

Period: 6
Group: 14
Family: Poor Metals (Carbon Group)

Sb 51
Antimony
Car Batteries

Period: 5
Group: 15
Family: Metalloid (Nitrogen Group)

As 33
Arsenic
Poison

Period: 4
Group: 15
Family: Metalloid (Nitrogen Group)

Eu 63
Europium
Color Televisions

Period: 6
Group: 3
Family: Rare Earth Metals

U 92
Uranium
Nuclear Power

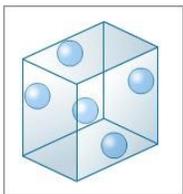
Period: 7
Group: 3
Family: Actinide Metals

Os 76
Osmium
Pen Points

Period: 6
Group: 8
Family: Transition Metals

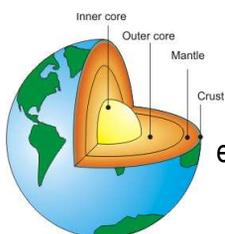
Cs 55
Cesium
Atomic Clocks

Period: 6
Group: 1
Family: Alkali Metals



How many elements are gaseous at room temperature?

Where do the gaseous elements tend to be located on the table?



What are the top eight elements found in the Earth's crust?

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.

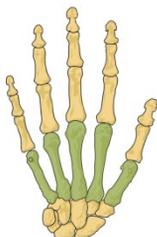
What element is used in batteries?



What element is used in making paint?



What is a major element found in our bones?



Get to Know the Elements

Use the periodic table in pictures at <http://elements.wlonk.com> to answer the following questions!

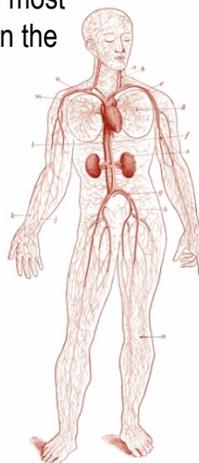
Which elements are magnetic?

- 1.
- 2.
- 3.



What are the top ten most abundant elements in the human body?

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.



Where do the elements in the human body tend to be located on the table?

Which elements are liquid at room temperature?



What radioactive element has the lowest atomic number?

How many of the elements are radioactive?



Where do the radioactive elements tend to be located on the table?



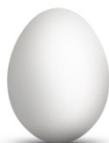
Which elements are considered "Noble Metals"?

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.

What element is used in bicycles?



What is a major element found in eggs?

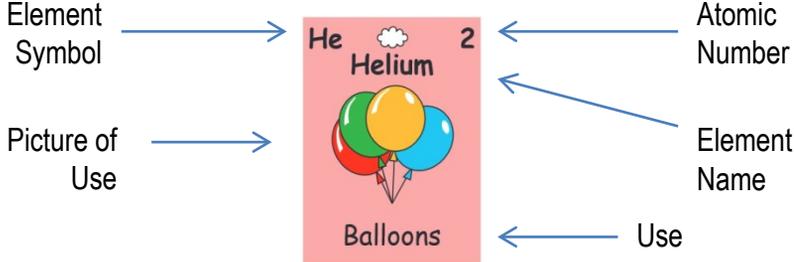


What is a major element found in chlorophyll?



Where do the Noble Metals tend to be located on the table?

Use this key to fill in the missing information in the element squares below.



Period: 1
 Group: 18
 Family: Noble Gases

Ne

Period:
 Group:
 Family:

38

Period:
 Group:
 Family:

Mercury

Period:
 Group:
 Family:

Cu

Period:
 Group:
 Family:

Tantalum

Period:
 Group:
 Family:

82

Period:
 Group:
 Family:

Sb

Period:
 Group:
 Family:

Arsenic

Period:
 Group:
 Family:

63

Period:
 Group:
 Family:

Uranium

Period:
 Group:
 Family:

Os

Period:
 Group:
 Family:

55

Period:
 Group:
 Family:

TERMS OF USE

© **SUNRISE SCIENCE**

Thank you for your purchase! The **original** purchaser of this document/product is granted permission to reproduce the pages in needed quantities for the purchaser's classroom/home use only. By purchasing this resource, you are agreeing that the contents are the property of Sunrise Science and **licensed to you only for classroom/personal use as a single user**. I retain the copyright, and reserve all rights to this product.

YOU MAY:

- Use items (free and purchased) for your own classroom students, or your own personal use.
- Reference this product in blog posts, at seminars, professional development workshops, or other such venues PROVIDED there is both credit given to myself as the author and a link back to my TPT store is included in your post/presentation.
- Distribute and make copies of **free items only** to other teachers PROVIDED there is credit given to Sunrise Science and a link back to my TPT store.

YOU MAY NOT:

- Claim this work as your own, alter the files in any way (unless this has been advertised as an editable resource), or remove/attempt to remove the copyright/watermarks.
- Sell the files or combine them into another unit for sale/free.
- Post this document for sale/free elsewhere on the internet (this includes public classroom websites and Google Doc links on blogs).
- Make copies of purchased items to share with others is strictly forbidden and is a violation of the Terms of Use, along with copyright law.
- Obtain this product through any of the channels listed above.

Thank you for abiding by universally accepted codes of professional ethics while using this product.

If you encounter an issue with your file, notice an error, or are in any way experiencing a problem, please contact me at SunriseScienceTPT@gmail.com and I will be more than happy to help sort it out!

Thank you 😊 Karla @ Sunrise Science



/SunriseSciences @SunriseScience @SunriseScienceClassroom

Sunrise SCIENCE



CREDIT FOR FONTS AND GRAPHICS

Thank you to these amazing artists!



WANT TO SAVE MONEY ON FUTURE PURCHASES?

Earning 'TPT Credit' saves you money on future purchases! You can simply apply the credits you earn to a purchase at checkout. To earn your credit, go to your My Purchases on TeachersPayTeachers.com and click on 'Provide Feedback' underneath each purchase. You will be taken to a page where you can give a quick rating and leave a comment about the product.

Easy peasy!