
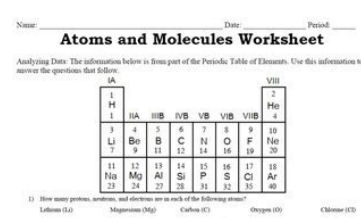


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Atoms and molecules worksheet grade 8



Smith _____ Name _____
Physical Science

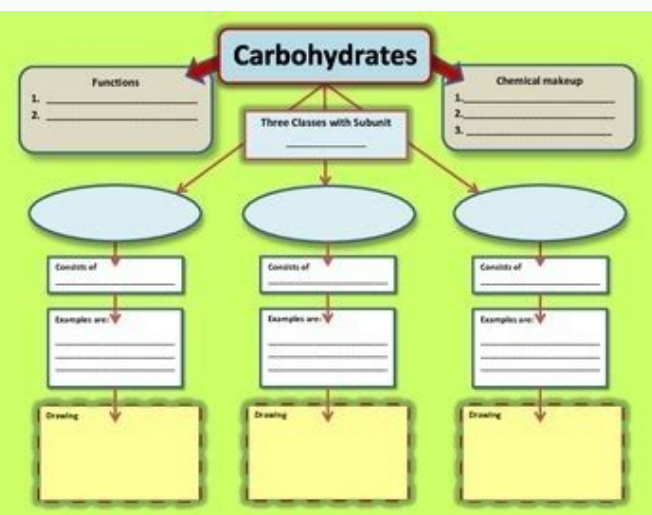
Elements, Compounds & Mixtures Worksheet

Part 1: Read the following information on the classification of matter. Fill in the blanks where necessary.

- Elements:**
- An element is a pure substance made of only one type of _____.
 - An element has the same composition throughout, which is called _____.
 - An element _____ be separated into simpler materials by physical means.
 - Over 100 existing elements are listed and classified on the _____.
- Compounds:**
- Compounds are pure substances made of more than one type of _____ and are _____.
 - A compound has the same composition throughout, which is called _____.
 - Compounds _____ be separated into simpler materials by physical means.
 - Separating a compound requires a chemical reaction.
 - The properties of a compound are usually _____ than the properties of the elements it contains.
- Mixtures:**
- Mixtures are a combination of two or more _____ and/or _____ that _____ be separated by physical means.
 - Mixtures are NOT chemically combined.
 - Mixtures can be uniform, called _____, and are known as solutions.
 - Mixtures can also vary in composition, which is called _____.
 - The properties of a mixture are _____ to the properties of its components.

Part 2: Classify each of the following as elements (E), compounds (C) or Mixtures (M). Write the letter X if the example is not matter.

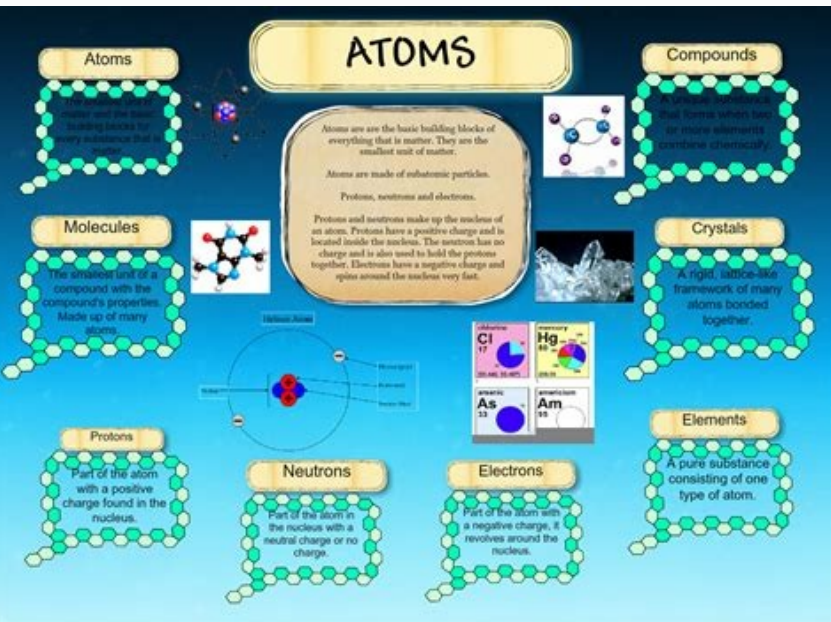
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|-------------------------------|---|--------------------|
| ___Diamond (C) | ___Sugar (C ₆ H ₁₂ O ₆) | ___Milk |
| ___Air | ___Sulfuric Acid (H ₂ SO ₄) | ___Gasoline |
| ___Krypton (K) | ___Bismuth (Bi) | ___Uranium (U) |
| ___Water (H ₂ O) | ___Alcohol (CH ₃ OH) | ___Pail of Garbage |
| ___Ammonia (NH ₃) | ___Salt (NaCl) | ___Energy |
| ___Wood | ___Bronze | ___Ink |
| ___Dry Ice (CO ₂) | ___Baking Soda (NaHCO ₃) | ___Titanium (Ti) |
| ___Iron (Fe) | ___Popcorn | ___Gold (Au) |
| ___Electricity | ___A dog | ___Concrete |



Na₂C₂H₃O₂

How many atoms of each element are in this molecule?

Sodium (Na)	<u> 1 </u>
Carbon (C)	<u> 2 </u>
Hydrogen (H)	<u> 3 </u>
Oxygen (O)	<u> 2 </u>



Atoms and molecules worksheet grade 8 pdf.

EVITCARETNI NA OT KNIL A SI EREH WOLEB ERS SNOTCERID YTVITCA GNINEPO .DNUOPMOC DNA, ELUCELOM, TNEMELE HCAE ROF ERUTCURTS TOD SIWEL EHT WARD STNEDUTS, TEEHSKROW SIHT NI? SELULLOM MORF TNEREFFID SMOTA WOH SMRE YEK NEEWTEB EGNEREFFID .NORTCELE NA, NORTUEN A, NOTORP A, SUELCLUN EHT GNIDULCLN, MOTA NA FO STRAP SUORAV LEBAL OT TEEHSKROW ELBATNIRP SIHT NI KSAT EHT HTIW STNEDUTS 7 EDGARD DNA 6 EDGARQ ENTICXE OT EUNITMOC Erutcurts CIMOTA EHT GNILEBAL? SDNUOPMOC RO STNEMELE FO SDULELOM. STNEMELE TNEREFFID EROM RO OWT FO SMOTE FO EDAM WAS sduuopmoc elhw .tnemele emas eht fo smota erom ro owt fo pu edam era stnemele tsom fo selucelom .elipicniP uabfuA eht gnisu ti setartsulli dna noitarugifnoc cinortcele senifed trahc siht .ecruoser ecicarp tsefrep A .elbat cidoirep eht ni stnemele fo spuorg dna .seillmaf eht dneherpmoc PLEH TAHT SEITIVITCA DNA STEEHSKROW ELBATNIRP ESEHT HGUOROHT OG .STNEMELE LACIMEHC EHT LA FO YALPSID DEZINAGRO NA YES ELBAT CIDOREEP EHT ELBAT CIDOREEP .FDP TEEHSKROW SALUMR of lacimehc siht ni tmeleme hcae fo smota fo rebnum etanoitroporp eht etacindi dna .lobmys lacimehc sti etirw .tmeleme tneutitsnoc hcae yftined .salumrof rieht morf neht dna serutercs rieht morf tsrif sduuopmoc fo yticimota eht terpretai stneduts ,teehskrow yticimota trap-2 siht nI .snortcele Lehs Ecnelav Deriapnu Fo Roivaheh Eht SeniFed Yraelc Elur Em Marrih Margaid Gaillif Latibro | Elur Undernuh .Noiton FDPS EHT Gnisu Stnemele Fo Snoitarugifnoc Nortcele Eht Gnitirw Ybtcerroc YB Etttem Rieht Evorp Nerdlihc, Teehskrow 7 Edgar Dna 6 Edgar Siht Ni. 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Previous Page 1 of 6 Next Previous Page 1 of 6 Next Read Chapter 4: Inside the Atom p 17-24Answer Lesson Review QuestionsHomework:Examine the animated atomic models in the URL below, and then respond to the abajo. es el i'tome of hydrogen Of the atoms of all the other elements represented by the animated models? What circles represent protons in the atomic models? Structures and matching chemulas with two different chemulas for each compound in action, the interest in this worksheet becomes double. Identifying elements, compounds and mixtures. Water is an element, or is it a compound? In this printable, students expand their horizons to know the structure of an atom that includes the nucleus, protons, neutrons, electrons and electron layers. In this printable exercise with six elements, high school students are responsible for drawing the orbital diagram of the dog rule for each element. The illustrations help to facilitate the concept. Can you create printable tests and work sheets from these grade 8 questions of atomic structure! Select one or more questions using the Verification boxes above each question. Séctimo and eighth grade students are expected to coincide with the structural formula with the molecular formula. Did the red circles or the blue ones? Bohr model diagram proposed by the Physiclan DanÁ © s Niels Bohr, the Bohr model is a family name in chemistry. Write chemical chemulas What good are your students by writing the chemical chemulas? Answer the following The questions of this printable exercise include defining the dough conversation laws and constant proportions, explaining the two types of ions, and say between isotopes and iSobares. Electron of Valencia, both transferable and shares, the Valencia electrons are the electrons in the external layer of an atom. Explain how you know. Based on all models, what could I infer on the way the electrons move around the nucleus of an atom?

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