Blood typing practice quizlet questions pdf

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Codominance Worksheet (Blood types) Name _____

Human blood types follow the CODOMINANCE pattern of inheritance.
There are 2 dominant alleles (A & B) & 1 recessive allele (i).
Phenotypes for blood include: **Type A, Type B, Type AB, and Type O.**
Genotypes for blood include: **"AA", "Ai", "BB", "Bi", "AB", and "ii".**

1. What is an antigen? _____

   What is an antibody? _____

2. Fill out the chart below for each blood type.

Blood Types (phenotype)	Antigens on red blood cells	Antibodies found in plasma	Possible genotypes
A			
B			
AB			
O			

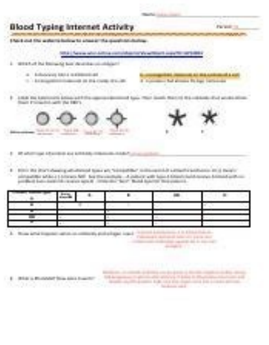
3. Write the **genotype** (see above for help) for each person based on the description:

a. Someone who is homozygous & has a dominant "B" allele __BB__
b. Someone who has Type O blood __ii__
c. Someone who is heterozygous & has a dominant "A" allele __AA__
d. Someone who has Type "AB" blood __AB__
e. Someone who has Type "A" blood & had a type "O" parent __Ai__
f. Someone who has Type "B" blood & had a type "O" parent __Bi__

4. What are all the possible blood types of a baby whose dad has heterozygous Type B blood and mom has Type O blood?
(include percentages of possibility, example Bi = 25%)?
(**Hint: Write the two alleles for the mom across the top, one per box, and write the two for dad down the left hand side, one per box. Then fill in the remaining boxes by crossing mom and dad's alleles.)

_____
_____

Mom → / Dad ↓	Allele 1	Allele 2
Allele 1		
Allele 2		


Blood Typing Internet Activity

BLOOD TYPES

Book: Action-11 for Kazakhstan, p12

Task 1: Drag the words into their right position

reaction recipients transfusion paternity immunology

1. _____is the scientific study of how the body protects itself.
2. There was a strange _____when the two blood types came into contact with each other.
3. The accident victims received blood _____from anonymous donors.
4. _____of blood type 0 can have any blood group.
5. Landsteiner used blood as a _____test.

Task2: True/False/Doesn't say (DS)

1. Karl Landsteiner had a sister and a brother.
2. Karl Landsteiner became interested in blood research when he was studying at the University
3. He held a position at the University of Vienna as a laboratory worker.
4. People cannot receive blood from animals.
5. There are three groups of blood.
6. The groups are named based on antigens present in the blood cell and antibodies present in blood.
7. It is not necessary to have compatible blood group with a recipient to be a donor.

Activity 3-Complete the blood typing activity as instructed using the Ward's Simulated Blood Typing Kit. Answer the questions on the worksheet provided.

1. Using the directions at your lab bench, and your results, answer the following. Record clumping (positive, + reaction) (negative, - no reaction)

Results Table I

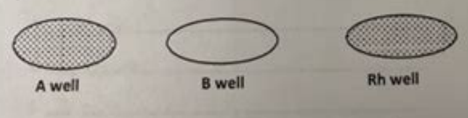
Patient	Anti-A Serum	Anti-B Serum	Anti Rh Serum	Blood Type
Slide #1 Mr. Smith	+	-	+	A^+
Slide #2 Mr. Jones	-	+	-	B^-
Slide #3 Mr. Green	+	+	+	AB^+
Slide #4 Ms. Brown	-	-	-	O^-

2. Complete the following table using information you've determined in your slides above in Table I.

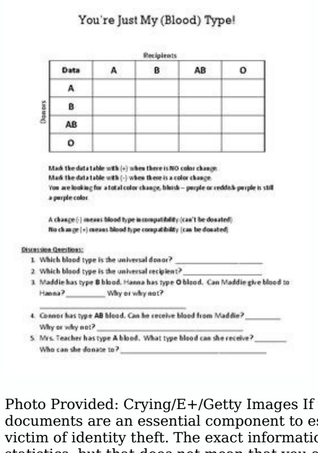
Table II Assessment

	Agglutinogens present (Antigen)	Agglutinins present (Antibodies)	Blood type	Blood types that can be used for safe transfusions	Blood types that could safely receive this patient's blood
Mr. Smith	A	Anti - B	A^+		
Mr. Jones	B	Anti - A	B^-		
Mr. Green	A & B	None	AB^+		
Ms. Brown	None	Anti - A Anti - B	O^-		

3. Observe the slides of an unknown patient, Colonel Mustard. Fill out the medical technologist's report on his blood on the table.



Blood Type Report	
Patient's Name	
ABO Type	
Rh Type	


You're Just My (Blood) Type!

Recipients

Donors / Data	A	B	AB	O
A				
B				
AB				
O				

Mark the data table with (+) when there is NO color change.
Mark the data table with (-) when there is a color change.
You are looking for a total color change, blotch – purple or reddish-purple is still a purple color.

A change (-) means blood type incompatibility (can't be donated)
No change (+) means blood type compatibility (can be donated)

Discussion Questions:

1. Which blood type is the universal donor? _____
2. Which blood type is the universal recipient? _____
3. Maddie has type **B** blood. Hanna has type O blood. Can Maddie give blood to Hanna? _____ Why or why not?
   _____
4. Connor has type **AB** blood. Can he receive blood from Maddie? _____
   Why or why not? _____
5. Mrs. Teacher has type **A** blood. What type blood can she receive? _____
   Who can she donate to? _____

Photo Provided: Crying/E+/Getty Images If you were born in the United States, then the state in which you were born created a record of your birth and stored it with all the other vital records of the state. For convenience, all major information related to individual births in America is easily accessible by obtaining a birth certificate. These important documents are an essential component to establish and prove identity in the US. (some states) and certain jobs. It is also common for schools and sports leagues to request birth certificates to confirm age. Your birth certificate has many personal information and must be protected. If you lose or someone steals, it can put you at risk of becoming a victim of identity theft. The exact information about a birth certificate may vary a bit from state to state, but most states have many important details about their birth. Unfortunately, if you don't know your blood type and I hope your birth certificate resolves The mystery - not Your blood type is an important detail that is not included in your vital statistics, but that does not mean that you are out of the options. Let's take a look at what you need to know about determining your blood type and what you can expect to find in your birth certificate. State birth certificates. In all cases, the birth certificate includes the full names of both parents (if known), the full name of the baby, gender, birth date and birthplace (usually observed as municipality and state). Certified copies - the only type accepted for legal purposes - will always contain the city, municipality or state in official relief.:ysetruoc otohp .doolb ruoy ni)Evitagen(tnevitiosp(Tnevitiosp ni nietorp rotcaf)hr(Susehr eht ,yllanoitddda .b dna ,snegtitna owtnoocd niat snoitoc ,a â€â€â s fired doolb rojam ruof eht .snegnna niatreck evah tâ€â€â€ânod ro Evah opoh opohthw if sdneped Epyt doolb ruoy sessantot tnum. SGEGNAHC lla taht tub ,doolb sâ€â€â¢sle enoyna naht tnereffid yna cool tâ€â€¢€Tnseod doolb ruoy ,regnnnof uobyteg tnereffideg tneam tneam tnemisset seteg. Noitamrofni â€â€â¢setats tnereffid ot tnereffid ot tnevorp etisbew VOG.Asu eht .sesac tsom ENILNO ENIFIFITREC POOT DEIFITREC ORCEK RIBSIKCIK Seipit DeifiitC rof Eef A Segrahc Rartsiger Eht ,Sesac tsom ni .ealp koot htrib eht erehw yt Nuoc eht ni eciffo sâ€â€â€â€â€Tr eht morf deniatbo Eb nac dna sdrocer cilbup era tetacifitreck Htrib.etacfitreck Htrib that if dedulcnop yssu ,babs ,sat ,sat ,sat

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But there are some obvious problems with this theory. There is no proven connection between blood type and digestion. And the experts do not agree on what kind of blood has evolved first in the first humans. Therefore, in general, there is a lack of evidence behind this diet approach. What are the rules for each type of blood? Here is the essence of the guidelines for each type of blood: Type A Blood: Eat mainly herbal foods, including fruits, vegetables, whole grains, beans and vegetables. Adamo claims that people with type blood A have problems digesting proteins and animal fat, so it advises them to avoid all red meat and dairy products. This diet is more like a vegetarian diet, although it allows some products of animal origin, including birds and seafood. Blood Type B: Eat a mixture of plant and animal products, but avoid specific foods, including chicken, pig, wheat, corn, lentils, peanuts, bread, tomatoes and coffee. This diet is similar to a paleo diet, but does not limit dairy products. Avoid red meat, chicken, beans, corn, buckwheat, alcohol and caffeine. This is somewhere between the guy A and B.Type the: Eat a protein-rich diet with little carbohydrate, with lots of lean meats, fish, certain fruits and vegetables and dairy products with moderate fat. Avoid grains, vegetables and most fruits. This diet also resembles a modern paleo diet. Is there any evidence that this diet works? No. There is no scientific evidence to support blood-type diet claims. Although there is some evidence that people with certain types of blood may have a greater risk for certain diseases, there is nothat eating a diet diet to your blood type has some effect on these conditions. For example, a 2013 review analyzed all available evidence and found that there were no studies to support the health benefits proposed from blood-type diets. Several studies have found that people who follow blood type diets have positive health outcomes such as lower blood pressure and cholesterol levels - but that these effects have nothing to do with their blood type. This is the simplest and most likely explanation for these results: all four versions of the blood type diet involve a change of a typical Western diet rich in processed and dense calorie foods. Most of the time, they guide people to a more nutritionally balanced diet and herbal-based diet, with less general calories. So while people who follow the blood type diet may notice some positive health effects, it has nothing to do with their blood type. Not really. Our advice: take good and leave the rest. There are some good things about the blood type diet. In general, it follows the solid principles of healthy nutrition and nutrition, such as an emphasis on whole food and herbal products. But there are also disadvantages in blood type diets. They are highly restrictive in what you can and cannot eat, which means they are probably unsustainable for most people. And, depending on your blood type and what foods the diet says to you avoid, you can risk losing important nutrients. In addition, as we observe above, there is simply no evidence that your blood type affects which types of food are better for you. Therefore, you can probably get similar results through other food styles that are not restrictive. There are many other diets out thereThey were projected by nutritionists and nutritionists, and that scientific evidence to support their claims. A recent review of diet scientific evidence for weight loss found that different popular diets, such as diets with little carbohydrate, diets of plants base plants plant Mediterranean diet promotes all similar results for weight loss. This review has also found that the best successful predictor is staying in the long term diet. Therefore, the key is finding a diet that works for you and your lifestyle and stick with it. Resource Links: ¢ âferences “Diet is not working? Perhaps it is not your type-by-Harvard Health â €, "Blood-type diets are not supported by System System" through American Journal of Clinical Nutrition " ABO, "BLOOD DIET" DIET AND HEART RISK AND RISK FACTORS "Through" ABOUT GENEMPO. Weight "through the Journal of Nutrition" Blood Type is not associated with changes with changes in cardiometabanal results in response to a plant -based food intervention. , by the Journal of the Academy of Nutrition and Dietary, "Scientific Evidence of Diets for Weight Loss: Different Macronutrient Composition, Intermittent Fasting and Popular Diets-Via Nutrition .Com syomfind.com

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