

Investigation 3.4B

change out puzzle

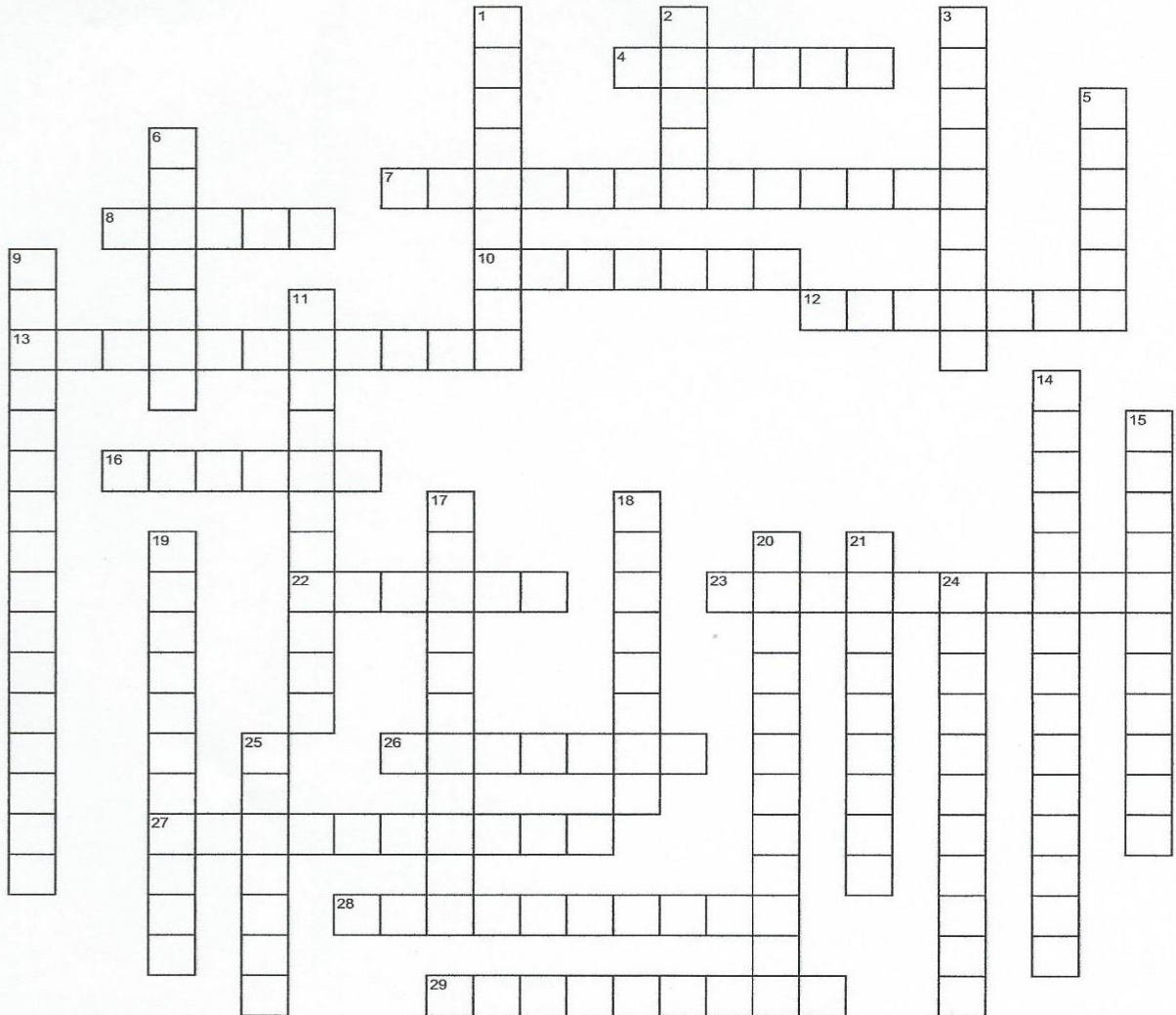
Dr. _____

Crossword 3.4B

Role of Blood

P. ____ Date: _____

Directions: Use the highlighted terms in the chapter to solve the puzzle. Most clues come from the chapter text, but some require outside investigation. Omit spaces or dashes between words.



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ACROSS

- 4 the almost colorless part of blood in which red and white blood cells are suspended
- 7 waste product gas carried back to lungs to be exhaled
- 8 the person who provides the blood component to be given to another person
- 10 to roughly calculate or judge something's value
- 12 there are thirteen of these that work to stop bleeding
- 13 smallest blood vessels; where oxygen and carbon dioxide exchange occurs in tissues
- 16 carried by red blood cells; produces energy in our tissues
- 22 to breathe out
- 23 specific part of red blood cell that binds oxygen to carry to tissues
- 26 when blood cell components float around in plasma without dropping to the bottom
- 27 a hereditary condition where there is reduced

- ability to clot blood, causing severe bleeding even with minor cuts
- 28 a spinning machine used to separate fluids of different densities
- 29 WBCs that prevent blood from clotting too quickly and stimulate blood flow to injured area

DOWN

- 1 substances that cause allergic reactions
- 2 fluid that circulates through arteries and veins, carrying oxygen to and carbon dioxide from the tissues of the body
- 3 the component of blood that controls the clotting process
- 5 chemicals or poisons that are harmful to your body
- 6 large molecules that are essential in hair, muscles, and other body tissues
- 9 abnormal blood condition where red blood cells are misshaped in the form of a sickle

- 11 red blood cells that have been collected, separated out, and stored for in bags for transfusion to patients in need
- 14 known as leukocytes, they represent our body's major defense against infection
- 15 the WBCs that signal other white blood cells to attack infections or allergens
- 17 moving blood components from one person to another
- 18 the ability to stop bleeding
- 19 the most abundant white blood cells that represent your body's first line of defense also called erythrocytes; a solid component of blood that carries oxygen to and carbon dioxide away from tissues
- 20 the largest white blood cells, immediately attack infections
- 21 our main immunity cells; provide sustained attacks on bacteria and allergens
- 25 measuring the similarities or differences between to things