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Workbook Exercise 1.1

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| **Across**  **3.** When this occurs with certain intravenous chemotherapeutic drugs, as much as the drug should be removed from the site as possible by aspirating 5 mL of blood back through the catheter.  **4.** Improper compression of the vein following venipuncture may cause this complication.  **7.** The concentration of osmotically active particles in a solution.  **14.** Often a cause of leukocytosis.  **16.** Performing this action during a transtracheal wash will help loosen mucus and encourage this animal cough, thereby enhancing sample collection.  **17.** Passage of an orogastric tube into this organ allows for sample collection of fluid that is then analyzed for diagnosis of diseases of the forestomachs.  **18.** An overall decrease in red blood cells, white blood cells, and platelets.  **19.** An increased number of white blood cells.  **20.** Prolonged loss of appetite.  **21.** An in vitro technique used to rapidly synthesize large quantities of a given DNA segment. (3 words)  **23.** A decrease in cirulating platelets.  **24.** A potential complication of this process is abdominal pain and distention. | **Down**  **1.** Application of 70% isopropyl alcohol to a venipuncture site results in improved visualization of the vein because it causes this.  **2.** Infusion of isotonic fluids into the abdomen for the express purpose of retrieval of the fluid for diagnostic fluid analysis. (3 words)  **5.** A common site for this procedure to be performed is the carpal joint.  **6.** In a patient with this white blood count abnormality, a bone marrow aspirate is indicated.  **8.** Although a common procedure in small animals, this urine collection technique is not performed in most large animals.  **9.** Forcibly ejecting collected blood through the syringe needle into the collection tube can cause this sample artifact.  **10.** Passing through the skin.  **11.** Potential complication of an indwelling intravenous catheter involving a blood clot obstructing flow, which is characterized by a vein that "stands up" without being held off.  **12.** The act of surgically making an opening in the abdominal wall and into the stomach, usually for the placement of a feeding tube.  **13.** This type of catheter can be placed in the femur.  **15.** This self-retaining catheter is an ideal choice for urinary catheterization of mares.  **22.** Low-profile gastrostomy tubes are made of silicone and cause less irritation of the \_\_\_\_\_\_\_\_\_ when compared with traditional latex gastrostomy tubes. |