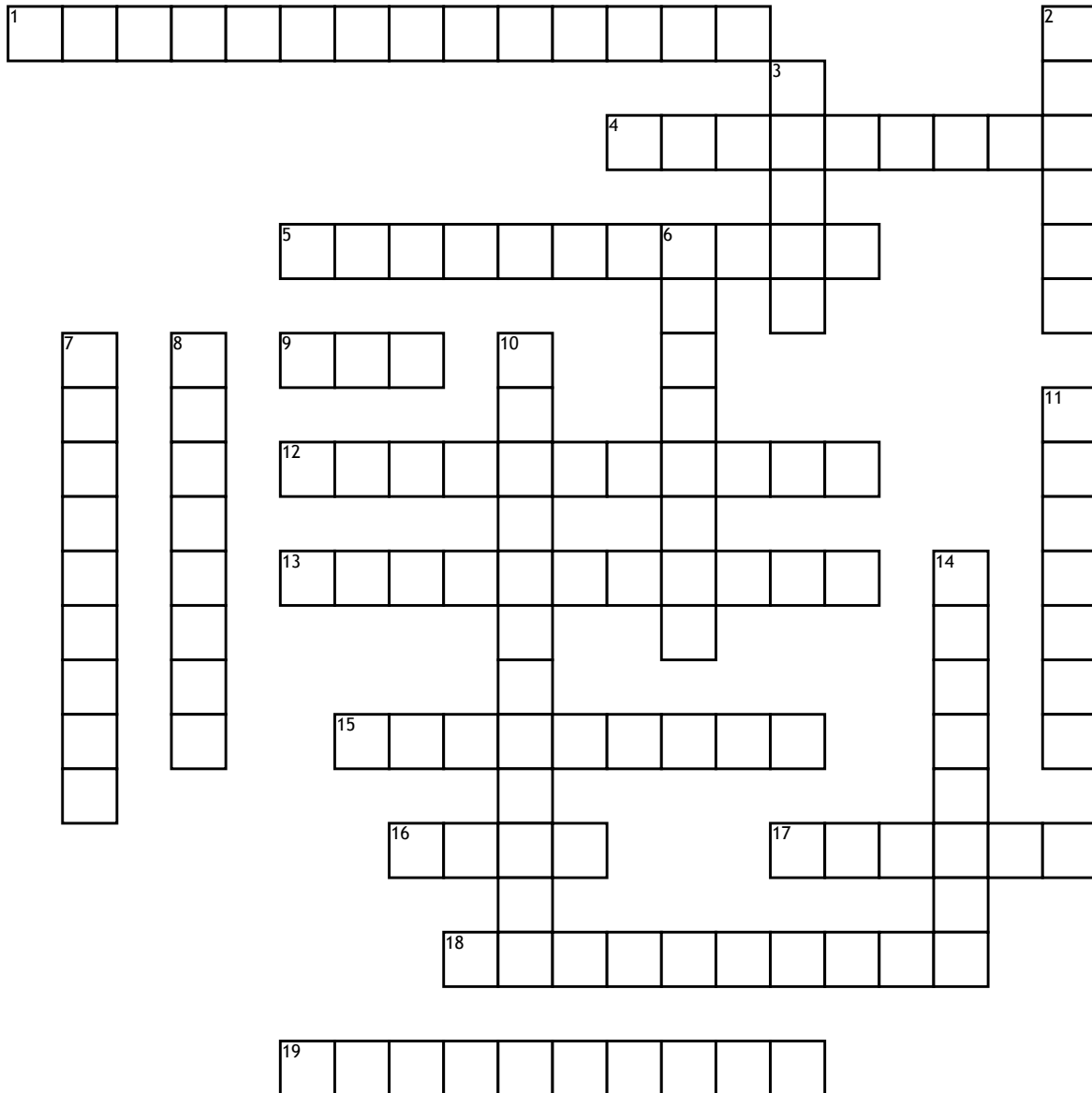


Name: _____

Homeostatic Imbalances



Across

- Raw materials required for _____: amino acids, lipids, and carbohydrates
- _____ anemias are caused by hemoglobin abnormalities, transfusion of mismatched blood as well as certain bacterial and parasitic infections
- _____ anemias can be the result of blood loss, and treated by blood replacement
- _____ hemoglobin content Happens when hemoglobin molecules are normal, but there are fewer erythrocytes than normal
- iron transport protein
- Dying Erythrocytes are engulfed and destroyed by _____

- Vitamin B12 and folic acid are _____ for normal DNA synthesis
 - _____ is essential for hemoglobin synthesis
 - artificially inducing polycythemia
 - _____ Anemia is caused by a vitamin B12 deficiency.
 - Developing Erythrocytes take up iron as needed to form...
- Down**
- _____ cell Anemia is caused by just one amino acid in the 287-long chain changing
 - Free iron ions are _____ so iron is stored inside cells as protein-iron complexes such as ferritin & hemosiderin

- _____ hemoglobin result of genetics
- Many erythrocyte _____ can be classified as either anemias or polycythemias
- _____ anemia results from the destruction or inhibition of red marrow from certain drugs, chemicals, ionizing radiation, or viruses
- What enhances EPO production by the kidneys?
- _____ hemorrhagic anemia occurs with slight but persistent blood loss
- Vitamin B12 _____ jeopardize rapidly dividing cell populations like developing Erythrocytes