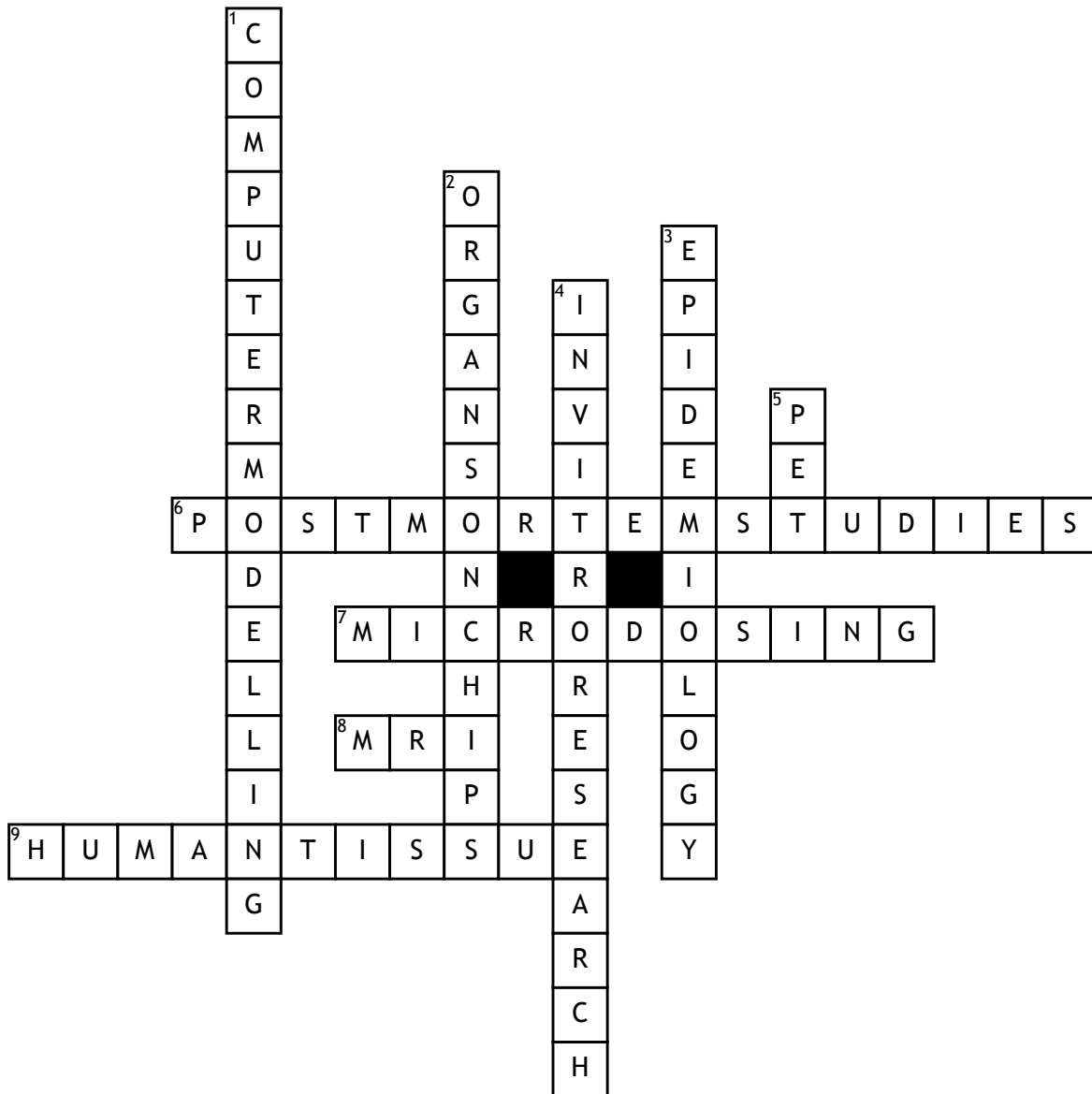


Name: _____ Date: _____

Animal-Free Medical Research



Across

6. For studying the effects of a disease on the whole body in the end.
7. A process whereby drugs are administered to humans in doses small enough to be safe, but large enough for the cellular response to be studied.
8. A type of scan that provides detailed images of the inside of the body using magnets.
9. This is vital in the study of human disease and drug testing (animal tissue differs in crucial ways).

Down

1. This pc methodology predicted the risk of human drug-induced heart arrhythmia with 89% accuracy (much higher than animal tests).
2. Micro physiological systems that enable basic biological processes to be studied and the effects of drugs to be investigated. Nothing to do with deep fried potatoes.
3. This type of population survey revealed that folic acid deficiency causes birth defects.
4. This tubular method was instrumental in the discovery of antibiotics.
5. An imaging technology involving the detection of gamma rays produced by isotopes.