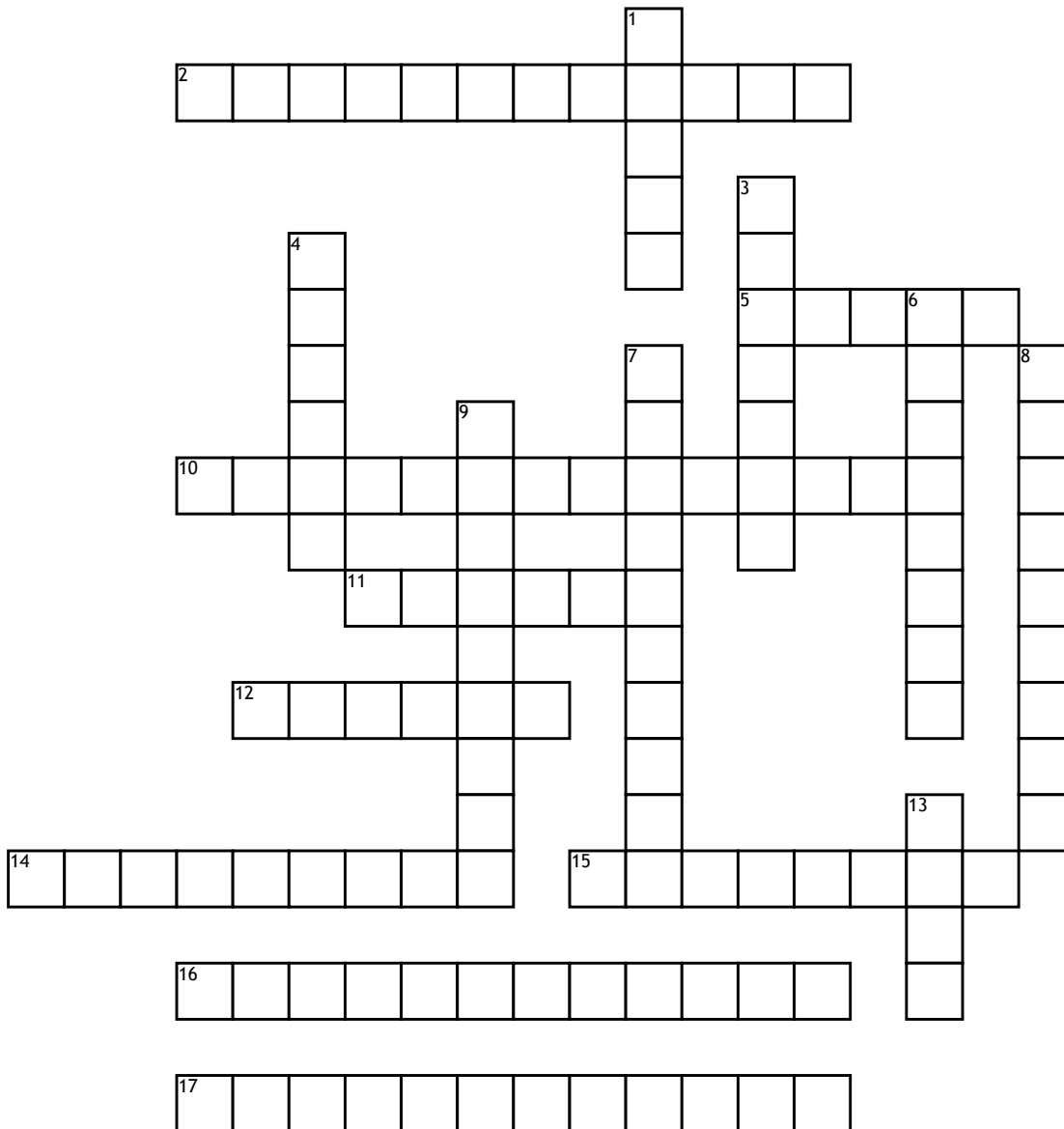


Name: _____

Date: _____

Growth Hormone



Across

2. Administration of _____, and inhibitor of growth hormone, reduced mammary carcinogenesis by lowering levels of growth hormone.

5. What type of breast cancer is the most aggressive and has the worst prognosis?

10. In humans, what type of breast cancer is classified based on the presence or absence of estrogen, progesterone, and human epidermal growth factor receptors?

11. One of the most common cancers in women.

12. _____ hormone alone can induce mammary duct development.

14. Approximately how many breast cancers are classified as hormone dependent?

15. What class I receptor does growth hormone's membrane bound receptor belong?

16. Which gland releases a hormone to cue the pituitary to release GH?

17. What has demonstrated pre-clinically and clinically to be a fundamental step in cancer growth and metastasis?

Down

1. What kinase mediates prolactin's action?

3. When is expression of growth hormone and its receptor the high?

4. What type of changes do mammary glands undergo during the ovarian cycle?

6. Which portion of the pituitary is responsible for synthesis and secretion of growth hormone?

7. Does inhibition of growth hormone positively or negatively influence growth of mammary glands?

8. What growth hormone enhances angiogenesis in mammary tumorigenesis?

9. Breast cancers are mainly classified based on the presence or absence of _____?

13. What hormone is the hypothalamus releasing and secreting to cue GH secretion by the pituitary?