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PUZZLE WORKSHEET
BASIC CONCEPTS OF OOP

Answer the following :

1. Encapsulation helps in _____ the data.
2. A blueprint for creating objects in OOP
3. The concept of objects taking on many forms
4. The process of acquiring the properties of another class.
5. A function inside a class is known as a _____.
6. An instance of a class
7. OOP concept that allows creating methods that do not reveal their implementations
8. A special method that initializes objects
9. The concept that restricts access to certain components of an object.

Match the following terms with their correct definitions:

Terms	Definitions
1. Class	a. The process by which one class takes on the attributes and methods of another.
2. Object	b. A blueprint for creating instances (objects) in OOP.
3. Inheritance	c. The actual entity created based on a class.
4. Polymorphism	d. The concept where one method behaves differently based on the object calling it.
5. Encapsulation	e. Hiding the internal details and showing only the functionality.
6. Abstraction	f. Combining data and methods that operate on the data within a single unit.