

A geodatabase is a central storage location for features, related datasets and behaviors.

They consist of the following components –



### Feature dataset

An organizational group of feature classes that share a common spatial reference.

### Feature classes

A storage location for coordinates and feature attributes. Feature classes of the **geometry type** point, line or polygon. Attributes store information about these locations.

### Attributes

These are the questions you ask about a location (feature). **Attribute fields** are where attribute values are stored. They are properties of a feature class and are of the

#### **data type**

short integer, long integer, float, double, text, date, blob or guid.

#### **Attribute values**

are the possible answers to those questions

### Domains

Domains are the range or set of possible answers or attribute values for a feature class. They are critical in enforcing data integrity. Domains are of the **domain type** range or coded value. Note, although domains are properties of the geodatabase, they do not appear in the ArcCatalog tree.