

## Section: Data Providers

### Answers to section modules.

#### Module Name **Virtual Layers**

**Question:** A virtual layer is

**Answer:** *A layer that is dynamically generated from one or more other layers.*

**Question:** 2. What do you think this virtual layer will do when based on our trees example

**Answer:** *Creates a virtual layer where the geometry is based on the ratio of height to canopy*

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#### Module Name **Databases (advanced)**

**Question:** A database is

**Answer:** *A type of data store that is used to store geographic data and non geographic*

**Question:** In which instance would you prefer a spatial database

**Answer:** *Generally, whenever I get hold of a data source I should load it into a spatial database.*

**Question:** Why is it important to generate a spatial index for each layer loaded in the database ?.

**Answer:** *To speed up rendering and fast retrieval of data when running SQL queries.*

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