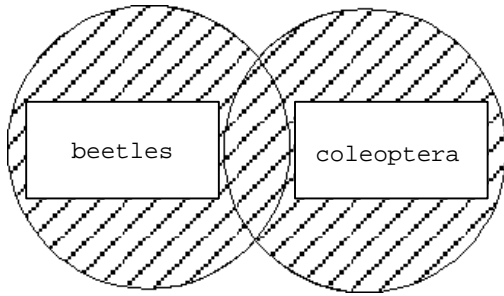
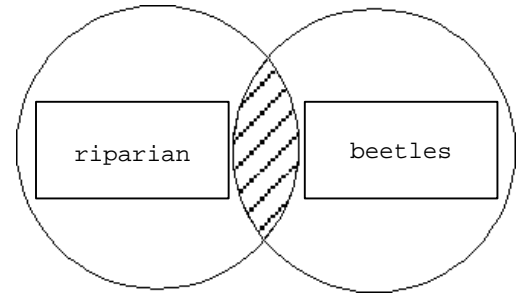


# BOOLEAN LOGICAL OPERATORS



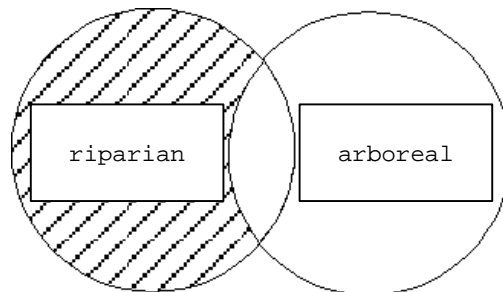
**OR**

- Broadens your search
- Retrieves citations containing  
EITHER *beetles*  
OR *coleoptera*
- Usually used for synonyms



**AND**

- Narrows your search
- Retrieves citations containing  
BOTH *riparian*  
AND *beetles*
- Links separate concepts



**NOT**

- Narrows your search
- EXCLUDES citations containing  
*arboreal* FROM citations containing  
*riparian*
- Problem: may eliminate relevant  
material

# SEARCH STRATEGY WORKSHEET

1. Briefly summarize your search topic:

---

2. Divide your topic into major concepts. Write them on the bolded lines below, in order of their importance.

3. Under each major concept list synonymous (or alternative) terms.

**FIRST  
MAJOR CONCEPT**

and

**SECOND  
MAJOR CONCEPT**

and

**THIRD  
MAJOR CONCEPT**

---

or \_\_\_\_\_

or \_\_\_\_\_

or \_\_\_\_\_

or \_\_\_\_\_

---

or \_\_\_\_\_

or \_\_\_\_\_

or \_\_\_\_\_

or \_\_\_\_\_

---

or \_\_\_\_\_

or \_\_\_\_\_

or \_\_\_\_\_

or \_\_\_\_\_