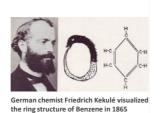




- Define and search
- Intensification
  - Idea generation
- Incubation
  - Meditation, Off-focus
- Illumination
  - Serendipity



## Creativity Tool Box # 1

- Restate the problem
  - Use thesaurus to replace every word in problem definition
  - Example:

"Remove water puddles formed on pavement after rain"

- Synonyms of "remove": Eliminate, take away, expel, clear, sweep, pour out, dry out, transfer, absorb, dredge, destroy, squeeze, pressurize, vaporize, disappear, vanish...







## **SUMMARY**

- Inventions are required to improve standard of living
- Everyone is born creative; barriers develop over years
- Barriers can be overcome by divergent-convergent thinking
- Information  $\rightarrow$  Intensification  $\rightarrow$  Incubation  $\rightarrow$  Illumination
- Simple creativity techniques:
  - √ Restate the problem / use thesaurus
  - √ Borrow ideas from other domains / nature
  - ✓ Brainstorm