

Explanation
Interpretation
Application
Perspective
Empathy
Self-knowledge

Learning
Teaching

When I understand

When it connects with other knowledge

Explanation - explain to someone else

Apply to different problem

Reaches level of complexity → simple

Recognize own thought process

When it becomes alive, excitement

Use it as assumed knowledge towards another application

When you know where it came from

Know its limitations

Know why it works, disassemble - construct a model

and deconstruct

Correct mistakes

Clear mental picture

Visual model

Flash of recognition - knowing words

vs understanding, sensitive

Appropriate significance

When you understand

Explain in word vs. equations

Apply to different set of problems

Changing the context

Apply what you know before + new thing

relating to existing knowledge

State why it is important - appreciate it

(higher level)

(connecting facts via theory

Teach it to someone else

Explain the shortcuts and other methods

Draw out mental picture/visual model

Think of other situations in which it would apply

Answer questions consistently and rapidly

in a conversation

Ask intelligent extension questions

When they like the material? presentation/understand

Correct the teacher

Confidence

Kind of mistakes

Unable to fix them (extreme)