

## Guide to Writing Learning Objectives

### Learning objectives **SHOULD**:

- Describe what ATTENDEES will learn during your session;
- Always begin with measurable action verbs; AND
- Complete this statement: “At the conclusion of this session, participants should be able to \_\_\_\_\_.”

### Example

At the conclusion of this session, participants should be able to:

1. **Recognize** when a patient needs to be worked up for environmental toxicity
  2. **Utilize** key conventional laboratory tests to determine which patients likely have a high toxic load
  3. **Develop** strategies to determine most likely sources of environmental toxins
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### Learning objectives **SHOULD NOT**:

- List or describe what the PRESENTER will do during the session; OR
- Begin with passive verbs, such as “know”, “learn”, or “understand” as these cannot be measured.

### Example

At the conclusion of this session, participants should be able to:

1. **Learn** how to safely and effectively decrease body toxic load
  2. **Be familiar with** the diagnosis of mold/mycotoxin toxicity
  3. **Understand** treatment strategies targeted to individual patients
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Use the table on the following pages to develop your learning objectives.

### UTMB Table of Cognitive Behaviors and Actions for Use in Writing Objectives

<p><b>DO NOT USE THESE VERBS</b></p> <p><i>They are not measurable and will not be accepted.</i></p>	<p>appreciate be familiar with believe</p>	<p>have faith in know learn</p>	<p>speculate understand update</p>
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<p><b>INFORMATION</b></p>	<p>cite count define describe draw identify indicate list</p>	<p>name point quote read recall recite recognize record</p>	<p>relate repeat select state tabulate tell trace write</p>
<p><b>COMPREHENSION</b></p>	<p>associate classify compare compute contrast describe differentiate discuss</p>	<p>distinguish estimate explain express extrapolate illustrate interpolate</p>	<p>locate predict rearrange reorder restate review translate</p>
<p><b>APPLICATION</b></p>	<p>apply calculate complete demonstrate dramatize employ examine illustrate</p>	<p>interpret locate operate order practice predict relate report</p>	<p>review schedule select sketch solve translate use utilize</p>

<b>ANALYSIS</b>	analyze appraise conclude construct contract criticize debate deduce	determine diagram differentiate distinguish divide experiment group infer	inspect inventory produce question relate separate summarize transform
<b>SYNTHESIS</b>	arrange assemble collect combine compose construct create design detect	develop formulate generalize integrate manage organize plan predict	prepare prescribe produce propose solve specify synthesize test
<b>EVALUATION</b>	argue appraise assess choose critique decide determine	estimate evaluate grade judge measure rank rate	recommend revise score select specify test