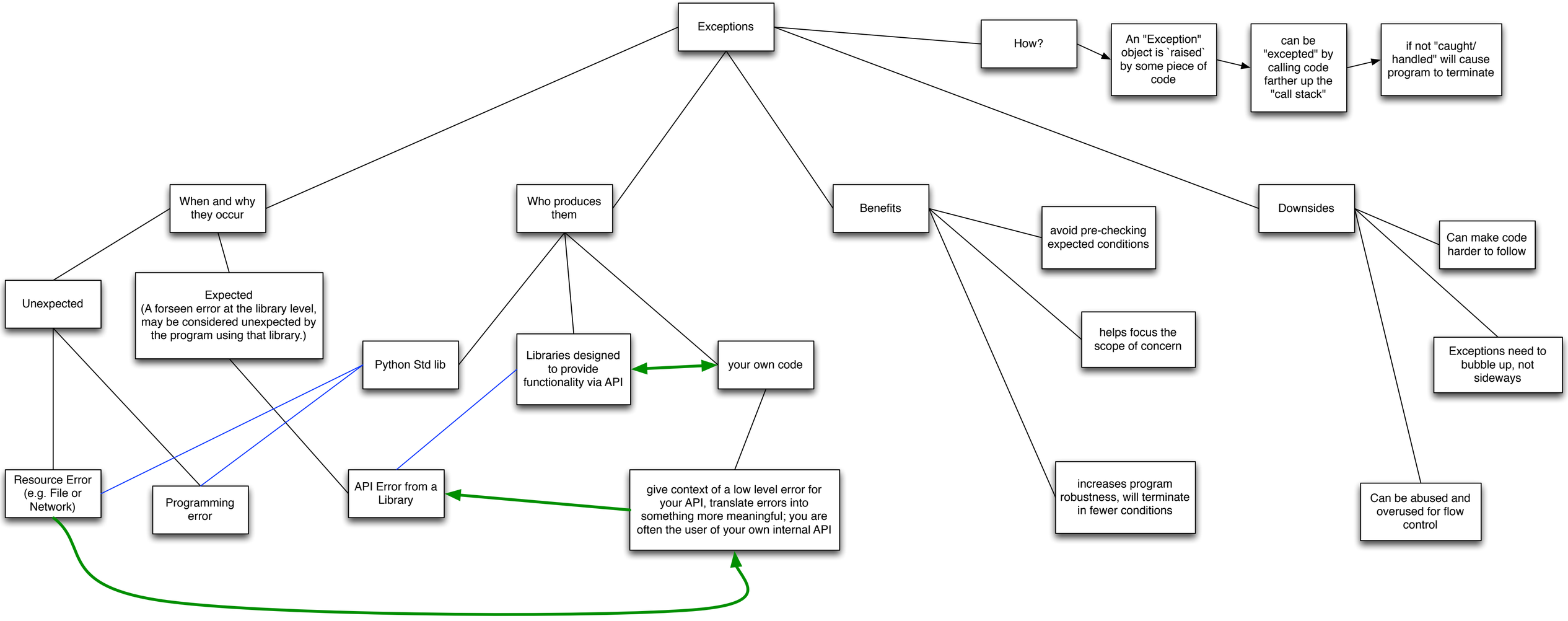
Exceptions
How?
An "Exception" object is `raised` by some piece of code
can be "excepted" by calling code farther up the "call stack"
if not "caught/ handled" will cause program to terminate
When and why they occur
Who produces them
Benefits
Downsides
Unexpected
Expected
(A forseen error at the library level, may be considered unexpected by the program using that library.)
Python Std lib
Libraries designed to provide functionality via API
your own code
avoid pre-checking expected conditions
helps focus the scope of concern
increases program robustness, will terminate in fewer conditions
Can make code harder to follow
Exceptions need to bubble up, not sideways
Can be abused and overused for flow control
Resource Error (e.g. File or Network)
Programming error
API Error from a Library
give context of a low level error for your API, translate errors into something more meaningful; you are often the user of your own internal API