The reading describes a number of approaches to identifying polluted sediments. Match up the following descriptions with the corresponding approach. (In quiz, the approached will be listed by name below the definitions).

___ Sediment criteria are based on contaminant concentrations in natural or background sediments.

___ Compares chemical levels in sediments and in organisms to determine how much of the contaminant load becomes part of organism’s body burden.

___ Severe drawbacks to this approach include that it cannot be used in intermittently dry sediment zones, and, that it is difficult to perform the necessary measurements accurately and consistently.

___ Relates chemical levels in sediments with organism mortality, sublethal effects, and bioconcentration within aquatic organisms.

___ Assumes that under unchanging conditions, the ratio of contaminant concentrations in bed sediments and interstitial water remains constant if one corrects for such factors as organic content.