Stop 01

IESO 2011 - Practical test Geosphere - Mineralogy

Name and surname of the Partecipant:
Nationality:
Duration time 10 min.
Identification of mineral species
Given five different mineral samples, the candidate is requested to identify
each mineral species with the aid of basic chemical/physical tests or
macroscopic observations. Each mineral species holds at least one unique
feature or character which discriminate it from the others (for example, it is the
only one reacting with acids, it is the hardest one, it is the most symmetric one,
it is the only one exhibiting metallic luster). The tests recommended for the
identification are: (i)
reactivity to hydrochloric acid attack; (ii) determination of the relative Mohs
hardness; (iii) crystal habit indicative of the crystal symmetry; (iv) metallic
luster.
The candidate should associate the code number (from 1 to 5) of the mineral
sample to the mineral name. (2 points for each right answer)
П
☐calcite
Quartz
uquartz
Ifluorite
Lituorite
hematite
П
∐sulphur