

Activity of vocabulary: fill in the blanks of the following definitions with the appropriate concepts from the lists below.

(crystal, maintain, ordered, elongated, directions, Liquid, molecules, orient, liquid, substances, flow.)

1- crystals are thatlike a But some of thestructure of Their tend to be and to in specific

(replace, components, biological, augment, function, natural, Biochemicals, often, synthetic, made, lifeless, interact, medical, materials)

2- are those- be it or, alive or, and usually of multiple- that with systems . They are used in application to or a natural.....

(value, iron, yttrium, examples, materials, Superconductors, critical, superconducting, resistance, electrical, niobium)

3- are That offers no to Current. Prominentinclude aluminium,, magnesium diboride, cuprates such as copper oxide and pnictides. These materials only become at temperature below a certain, known as the temperature.

(crystalline , cations, gas, catalysis, bonds, linkers, open, sensing, consist, Metal, porous, separation, organic.)

4--..... frameworks (MOFs) are a class of Materials that of coordination between transition-metal and multidentate organic The structure of MOFs is characterized by an framework that can be(porous materials). MOFs can be used for storage, purification and as well as and applications.