

Answer on Question #76761 – Chemistry – General Chemistry

You got TWO iodates, NaIO_3 , and CsIO_3 . I suspect that the caesium salt would be more insoluble. Because, the caesium cation is larger than the sodium one, and thus there is probably a better size match between the caesium and iodate ion-pair, and thus decreased solubility.

For the lead halide series:



order of decreasing solubility.

Size matching between anion, and cation, probably again plays a part here.

As for the alkaline earth carbonates, you are probably going to have to consult your text. A size mismatch again probably lowers the temperature of decomposition, but you need data to argue your position.

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